

*The*

# CHEMIST AND DRUGGIST

Established 1859

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VOL. CXXVI

FEBRUARY 20, 1937

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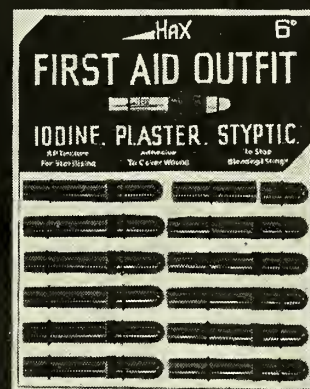
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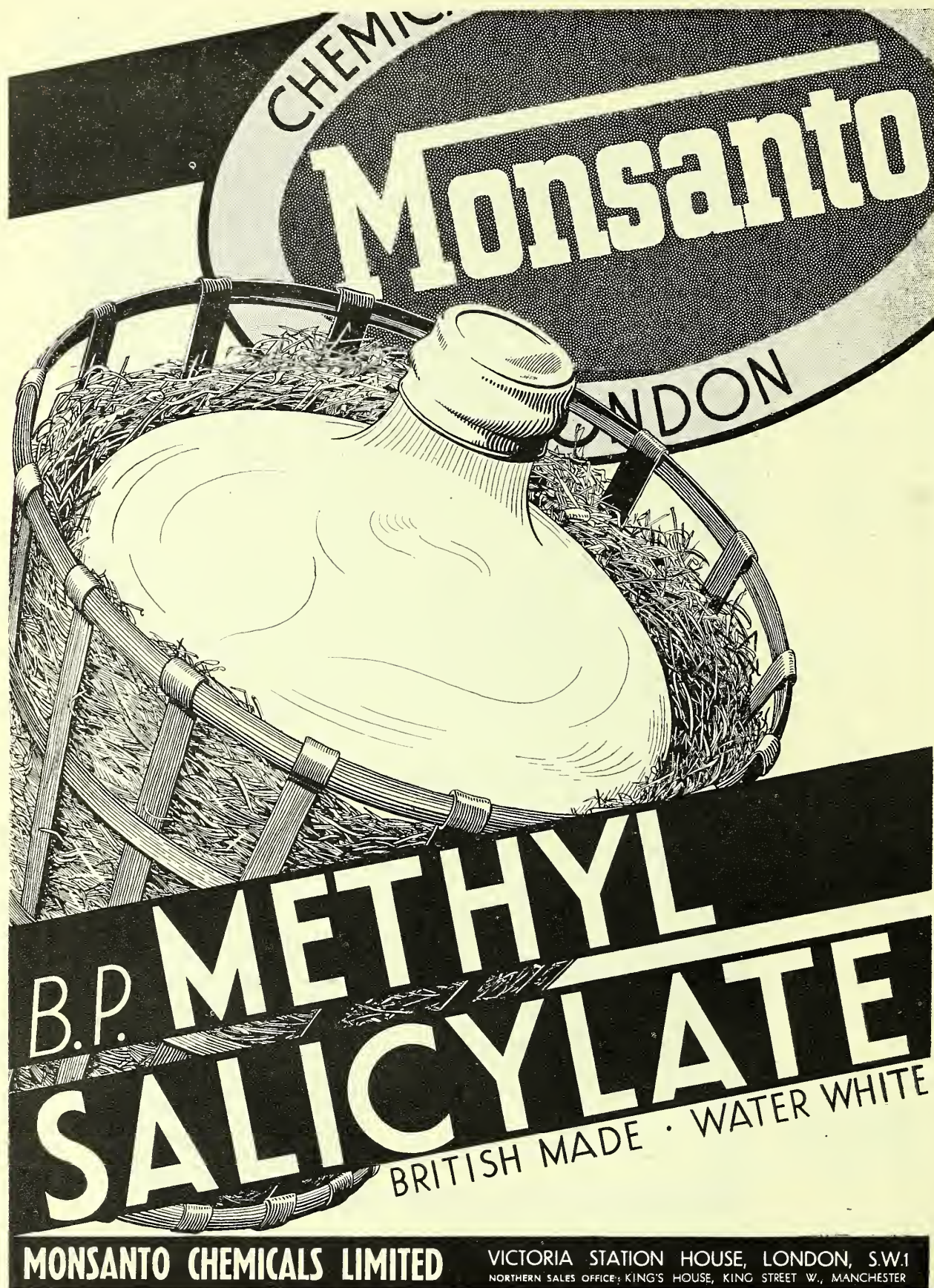
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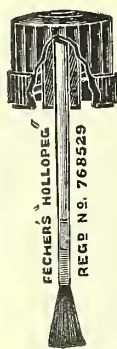
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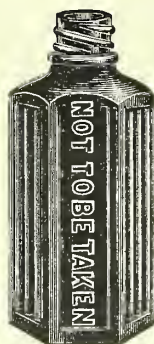


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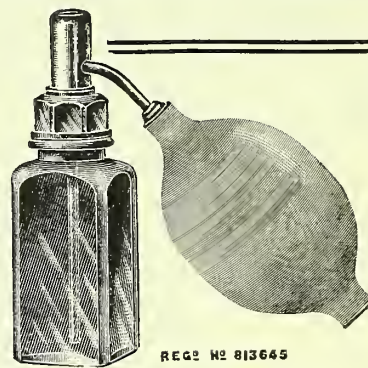
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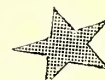
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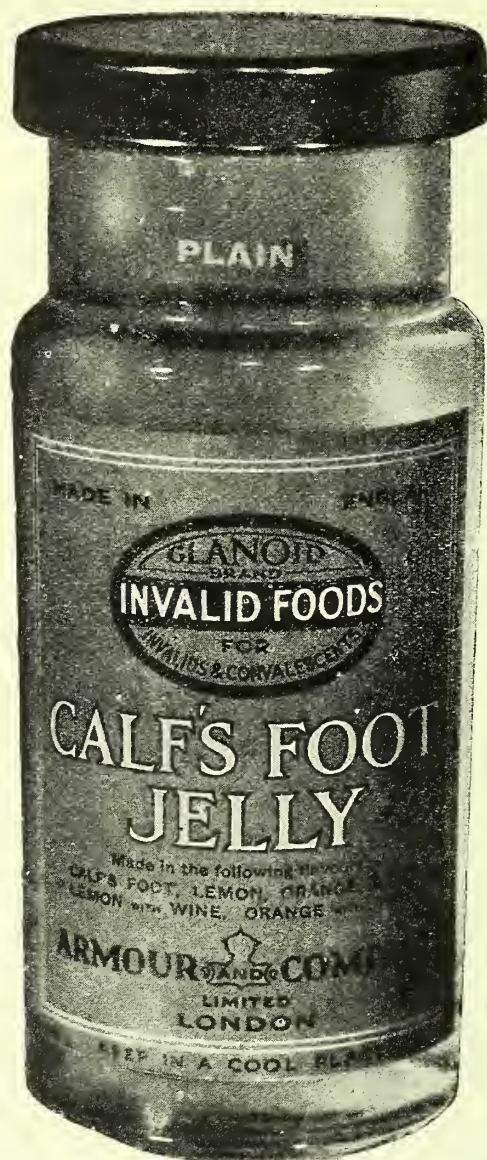
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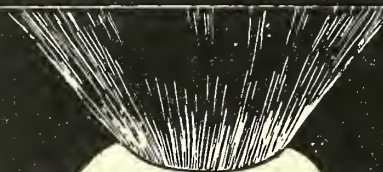
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## REDUCED!



*Effective March 1st.*

ON March 1st, the following reductions in the retail price of Pond's Skin Freshener will become effective:—

- the 1/- size will become 6d.
- the 2/6 size will become 1/9
- the 4/- size will become 3/6

Stop and think what this reduction means to your cosmetic business.

Beauty editors have been telling their readers for years that skin toning is necessary for complete beauty care. As a result, almost every woman and girl who buys cosmetics is anxious to use such a preparation.

But skin tonics have been so expensive hitherto that the mass of your customers could not afford them.

So this big reduction in the retail prices of Pond's Skin Freshener means a large volume of new business for you. For it brings a skin toning preparation, made by a nationally famous firm, within the means of practically every woman and girl.

Display Pond's Skin Freshener and display the new prices. Tell your customers about the reductions. And watch the money roll in!

● NOTICE: If on March 1st you have on hand any stocks of Pond's Skin Freshener purchased at the old prices, please notify us in order to secure the necessary credit. Pond's Extract Company Limited, Perivale, Middlesex.



*Tell your assistants to tell the news to your customers*

1. Tell the woman who buys astringent or skin tonic:

Pond's Skin Freshener is a skin tonic and mild astringent. It does not require diluting to be safe for delicate

skin. Yet, used undiluted, it is more economical than other preparations.

2. Tell the woman who buys face creams:

After the relaxing effect of a cleansing or nourishing cream, Pond's Skin Freshener is needed to close the pores and "firm" the skin. Also it is a treatment for enlarged pores and greasy skin.

3. Tell the woman who buys powder, rouge, etc.:

Pond's Skin Freshener removes all trace of cream or oiliness, so that foundation cream, powder and rouge, go on perfectly. It also brings fresh colour and refines the skin.

4. Tell the woman who already buys Pond's products:

She knows how fine Pond's products are. She will want Pond's Skin Freshener to use *after* using Pond's Cold Cream, *before* using Pond's Vanishing Cream and *before* using Pond's Powder.



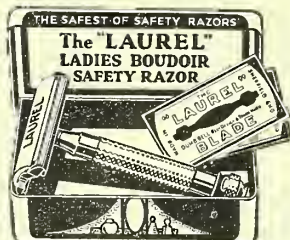
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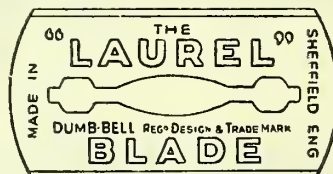
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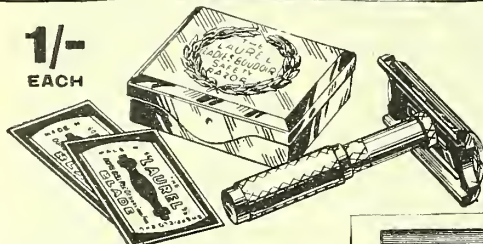


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TAPER  CORKS

ARMSTRONG CORK CO. LTD.,  
ALDWYCH HOUSE, LONDON, W.C.2.  
HOLBORN 9884/7 and HOLBORN 7503/5

## LA PARFUMERIE MODERNE

(Established 1908)

An Illustrated Monthly Review of the  
Perfumery and Allied Industries

The regular publication (in English and Spanish as well as in French)  
of technical and practical articles on Essential Oils and Synthetic  
Perfumery Products is a feature of this popular Trade Journal.

Specimen copy and all particulars from

15 rue Constant, Lyon

7 rue Chevreul, Paris (XIe)



# Beauty DIXOR Preparations

## Velouté de Dixor

Tubes	The original combined powder cream		
*No. 1	4 1/2 d.	3/-	per doz.
*No. 2	6d.	4/-	" "
No. 3	1/-	7/-	" "
No. 4	2/-	14/-	" "
No. 5	3/-	22/-	" "
Pots			
Handbag (Unbreakable)	1/3	10/-	per doz.
Glass	2/9	21/-	" "
De Luxe (Unbreakable)	4/6	36/-	" "



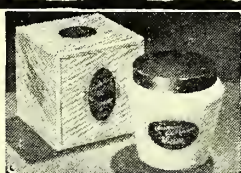
## Nourishing Skin Food

The formula of this preparation is based on the latest investigation of skin fats. May be recommended for delicate skins, being absolutely non-irritant. The ingredients are completely harmless and no ill-effects of absorption need be feared. Restores any deficiency of natural skin oils. Pots, Glass 2/9 ... 21/- per doz.



## Cleansing Cold Cream

Made from a formula based on the results of recent cosmetic research. Does not affect the natural protective secretions of the skin tissues. Has a melting point below body temperature. Prolonged use does not retard the proper action of the pores of the skin nor induce hair growth. Pots, Glass 2/9 ... 21/- per doz.



## Iradium de Dixor

Bottles	Skin tonic.		
Handbag size	1/-	8/-	per doz.
Small	2/6	13/-	" "
Large	3/6	27/-	" "

## Dixor Day Cream

(Crème Dixor)

A day cream made in white only.

Tubes	Small	Medium	Large	Super	Pots	Glass	De Luxe
	6d	1/-	2/-	3/-	2/9	2/9	4/6
	3/-	7/-	14/-	22/-	21/-	21/-	36/-

\* Not less than 1 doz. of each shade supplied.

## Dixodor

Checks excessive perspiration

Bottles	1/-	8/-	per doz.
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## Eau Dixor

A liquid depilatory, for use on the arms and legs.

Bottles, Small	1/-	8/-	per doz.
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Minimum Retail and Wholesale Prices P.A.T.A.

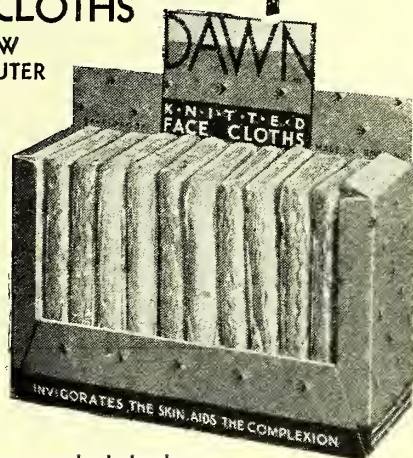
**DIXOR Ltd., St. LEONARDS WORKS, MORTLAKE, S.W. 14**

INCREASE YOUR SALES BY SHOWING

## 'DAWN' FACE CLOTHS

IN THIS NEW DISPLAY OUTER

This new pack takes up little room on your counter and will attract many sales. It holds 1 doz. 6d "Dawn" Ravel-Proof Face Cloths in assorted colours, each packed in transparent wrapper. The individual cloths are easily taken out and customers can help themselves. Display this outer prominently and pull increased sales.



Obtainable from usual wholesaler

**Jacquesl Fabrics Ltd.**

105/107 Princess St., MANCHESTER

London Agent: G. H. Bolton, 29 Falcon Square, Aldersgate St., E.C.1

# KHAA

the 20/30 minute

## BEAUTY TREATMENT



Khaa is being regularly Nationally advertised in the following papers covering the whole of England and Scotland:

Daily Mail  
Daily Mirror  
Daily Dispatch  
Glasgow Bulletin  
Women and Beauty  
Good Housekeeping

This unique beauty treatment is being used by many leading actresses.

Khaa is a natural vegetable powder imported from the Far East where it has been used as a beauty treatment for centuries. It contains NO CHEMICALS and is supplied to the public exactly as imported from the East.

Usual terms to Wholesale Houses.

Single Application	1/-
Three Applications	2/6

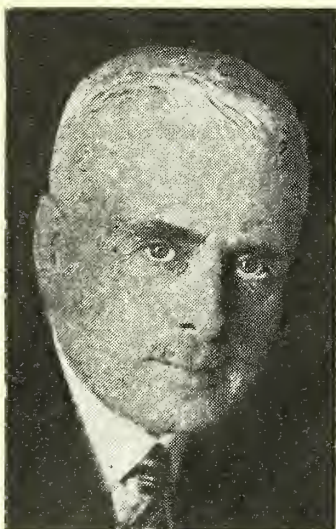
Trade Terms:

1/- Packets	8/- per dozen
2/6	20/- " "

Send for full details & descriptive literature.

**KHAA COSMETIC COMPANY, 26 Minories, London, E.C. 3**





WILFRID HILL, Managing Director,  
The County Perfumery Company

## Wilfrid Hill says

TRADE MESSAGE No. 1

● Brylcreem was introduced in 1928. In view of its position today it is a little difficult to realise that so much has been achieved in so short a time. The rapid development of sales has been accompanied by a corresponding advance in advertising expenditure, so that now Brylcreem Sales and Brylcreem Advertising both dominate the market.

The successful introduction of Brylcreem was largely due to the co-operation of the Chemists. One good turn deserves another, and in future messages I would like to explain how Brylcreem policy has been shaped to ensure a fair deal to the Trade

• *That is why*

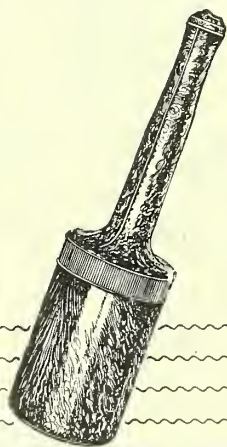
# BRYLCREEM

*gives you a fair deal*

The County Perfumery Co., North Circular Road, West Twyford, N.W.10

## The EMPIRE BATHJOY

The latest device for softening and  
perfuming water



Delicately perfumes and  
softens the hardest water.  
Perfumes:—Verbena, Laven-  
der, Eau de Cologne, Dusk  
of India, and Pine.

Retail Prices  
Complete Bathjoy in Bakelite

**3/11**

De Luxe Model in Beetle

**5/11**

Refills 1/6 each  
usual Trade discounts

### BRITISH EMULSIFIERS

An elaborate  
Showcard sent  
on request.

Teddington, Middlesex

LTD.

Telegrams:  
Britemulst, Teddington.

Telephone:  
Molesey 1202/3

## CHAPPED HANDS!

In all cases of Chapped  
Hands you cannot do  
better than recommend

## CALVERT'S

### CARBOLIC Ointment

an old and tried remedy

In Tins—1/3 (11/3 per dozen)

**SPECIAL OFFER**

On all orders to the value of :7/- ..... 5% & 2½%  
" " " " " " £4 ..... 10/- & 2½%

**F. C. CALVERT & Co. Ltd.**  
**MANCHESTER**





# Great AMAMI BONUS OFFER

to celebrate the introduction of their new Extra size  
**LIQUID SOAPLESS SHAMPOO**



Actual size of bottle.  
Contents  $1\frac{1}{8}$  oz. Retail price ...

**6<sup>D</sup>**

**A REAL MONEY-MAKING OPPORTUNITY!**

This offer remains open until April 1937. Make up your order to your own assortment as required in 6d. and 3d. Powder Shampoos and 6d. Liquid Shampoos (Soapless and Pine Tar) including at least half a dozen 6d. bottles of the new Amami Liquid Soapless Shampoo. For every dozen of each shampoo ordered we will include two extra shampoos entirely FREE. The minimum parcel of £1.11.6 is subject to our usual terms of 10% discount thirty days. Therefore taking advantage of this BONUS parcel costing £1.8.4 and selling at £2.9.0 will show you a profit of £1.0.8.

FROM YOUR USUAL WHOLESALE OR ORDER DIRECT FROM PRICHARD & CONSTANCE, (MFG) LTD., 11, BROAD STREET, LONDON, W.C.2.

## *Selling Points of this NEW SHAMPOO*

- Consistent, extensive advertising in the National Press and Women's Papers will ensure a heavy demand.
- Amami Liquid Soapless Shampoo has the primary advantage of being prepared by a Company of world-wide repute; the leaders of the shampoo trade.
- Amami Liquid Soapless Shampoo is packed in very attractive counter display cartons to hold half a dozen.
- Amami Liquid Soapless Shampoo can be used on the most delicate skin—with absolute safety and distinct health benefits.
- Amami Liquid Soapless Shampoo is non-alkaline, non-injurious, has tremendous cleansing properties, lathers freely and quickly.

**CLOSING DATE: APRIL 17  
ORDER TO-DAY!**





50% of the household brushes in this country bear the well-known Star on the back.

stock  
**STAR**  
BRUSHES & BROOMS

THE STAR BRUSH CO. LTD., Eden Grove, Holloway, LONDON, N.7.

C.D.1

**£100,000 A WEEK**

**MARKET**  
FOR YOUR GOODS

8/- a week—or £20 a year—is the estimated amount that the average Public spend on Medicines. With a circulation of 250,000 this would put the buying value of Readers of the

**Christian Herald**

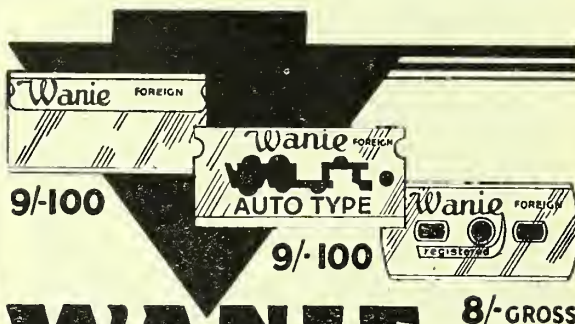
THE NATIONAL FAMILY RELIGIOUS WEEKLY

**AT £5,000,000 A YEAR**

Keyed advertisements have remained in for 50 years, showing that advertisers who counted their results before going in a second or third time were satisfied that they received consistent cash return. One Full Page recently brought in £300 first week in cash.

A FEW OF THE MANY well-known Advertisers in the "Christian Herald": H. Samuel, Ltd. (Jewellers), Bovril, Borwick's Baking Powder, Cadbury's, Force, Foster Clark's Custard, Fry's Cocoa, Huntley and Palmer's, Ingersoll Watches, Mansion Polish, Oxo, Ovaltine, Phosferine, Prudential, Mothaks.

THE CHRISTIAN HERALD, 6 TUDOR STREET  
LONDON, E.C.4. TELEPHONE CENTRAL 3559



**WANIE**

8/- GROSS

**The Blade for Every Razor!**

Send for Samples to Dept. C.D.

**LONDON & PROVINCIAL  
FACTORS, LTD.**

146 THEOBALDS ROAD, W.C.1  
and at

16 WIThey GROVE, MANCHESTER

Enquiries from Irish Free State Invited.

Wholesalers are invited to apply for Trade Terms.

**HAND  
HONED**

**TIM**



**3/6**  
GROSS  
**BRITISH  
BLADES**





## WELDS EASILY

"Silver Fox" Stainless Steel No. 22 welds easily by gas or electric processes, and is free from weld-decay, so that the largest vessels for chemical plant, the food industries and textile uses, may be welded without subsequent heat treatment.

The corrosion resistance of "Silver Fox 22" to a large range of chemical media is very high. Owing to its extremely low carbon content it is fabricated with great ease. The weld decay free properties are not the result of material additions of alloying elements.



## RESISTS CORROSION

"Silver Fox" No. 24 can not only be welded easily and without risk of decay, but is totally resistant to sulphuric acid solutions of strength up to 50% at temperatures not exceeding 40°C.

# SILVER FOX

*New Process*  
STAINLESS STEELS



### REQUEST FOR CATALOGUE

To Publicity Department, The United Steel Companies Limited, 17, Westbourne Road, Sheffield, 10.

Please send.....copies of "Silver Fox" Catalogue SF.157 to

Name.....

Firm's Name & Address.....

SFX.20 Position in Firm.....

**SAMUEL FOX & COMPANY LIMITED**  
*Associated with The United Steel Companies Limited*  
**STOCKSBRIDGE** **SHEFFIELD**



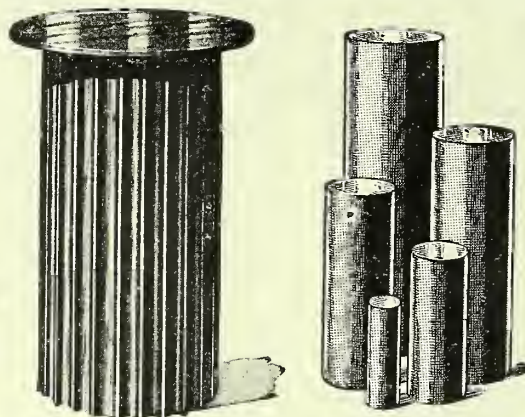


Pictures are more eloquent than words in the psychology of selling and our "ready to use" library of photographs for Chemists' advertising is at your disposal. May we forward a selection on approval?

**PHOTOGRAPHIC ADVERTISING LTD.** "R" Dept.,  
116 VICTORIA STREET, S.W.1.  
Telephone: VIC 1991 (3 lines)

**PHOTOGRAPHIC ADVERTISING LTD**

### SEND FOR OUR NEW SPRING LIST of DISPLAY FITTINGS, No. CD 1742



No. CDF 5771 Very attractive **Display Tables**, constructed of compressed millboard and covered imitation Walnut Paper. The pillar has concave flutes and is extremely modern in appearance.

9 ins. high with 10 in. top	4/6
15 ins. high with 10 in. top	5/-
24 ins. high with 12 in. top	6/9

Each

No. CDF 5758 Useful and Attractive **Set of Display Cylinders**, covered heavy grained Gilt paper. Comprising

1—36 ins. high x 12 ins. wide
1—30 ins. high x 10 ins. wide
1—24 ins. high x 8 ins. wide
1—18 ins. high x 6 ins. wide
1—12 ins. high x 4 ins. wide

22/6 the set

**DUDLEY & COMPANY, LTD.**  
451, HOLLOWAY ROAD, LONDON, N.7  
City Showrooms—65 Fove Street, E.C.2

### WILLIAM MATHER, LIMITED

DYER STREET, MANCHESTER. (Established 1826)



ZINC OXIDE and RUBBER ADHESIVE PLAISTER  
ON SPOOLS

POROUS PLAISTERS. ELASTIC PLAISTER BANDAGES  
ANTISEPTIC PLAISTER DRESSINGS, "CROCUS" CORN  
COMFORT, Etc.

### The NEW EMERGENCY FINGER BANDAGE

The Self-fixing, flexible and adhesive bandage which, when taken off, leaves the finger clean. On P.A.T.A.

1/- size cost	6d size cost
8/- doz.	4/- doz.
12 bandages	5 bandages

Samples & details from the sole manufacturers:  
**GROUT & CO. LTD.**  
35 WOOD STREET, LONDON, E.C.2.

## NORVELAST



### Southalls SANTOWELS

The "ORIGINAL" and most popular.  
The "CELTEX" soluble, easily disposed of.  
The "K" made entirely of absorbent cotton wool, with very soft cover.  
The "COMPRESSED" for travelling. A very popular line.

SOUTHALLS (BIRMINGHAM) LTD.



# 50% PROFIT

on the Retail Selling Price is  
the Introductory Bonus offer  
on this NEW sanitary towel



Dr. TH. H. VAN DE VELDE, *world famous gynaecologist, after three years' patient research, has evolved a new sanitary towel—DEODORIZING, ANTISEPTIC, PROPHYLACTIC and SPECIALLY SHAPED*

## Bonus Offer

Available once only and  
ending March 31st, 1937

An undertaking to make a four weeks' Window Display within a year and a continuous counter display, together with an order for two dozen boxes of Camelia de Luxe "VANDERISED" Towels at 13/6 per dozen, will bring a bonus of—

(a) 1 dozen boxes  
"Vanderised" Towels

or

(b) 1 dozen bottles  
"Vanderised" Toilet Water

Your outlay is 27/-  
Your profit is 27/-

*To qualify for Bonus, the official Order Form, which has been posted to you, must be completed and sent to your usual wholesaler or to—*

CHAPPELL, ALLEN & Co. Ltd.  
136-7 London Wall, E.C.2

V.T.1A

The greatest advance in the science of feminine hygiene supported by a nation-wide advertising campaign! Camelia de Luxe "VANDERISED" Towels. Treated by Dr. Van de Velde's new process, they not only give safe protection, but they actually prevent chafing and irritation, have a healing and soothing effect on the most tender skin and, above all, *they are deodorizing*. Every packet of Towels contains Dr. Van de Velde's personal guarantee. They are DEODORIZING, ANTISEPTIC, PROPHYLACTIC and SPECIALLY SHAPED.

"VANDERISED" TOILET WATER can be used with perfect safety, not only in conjunction with the towels for intimate feminine hygiene,

but as an adjunct to the everyday toilet of the fastidious woman. A few drops added to the washing water neutralizes all body odours (perspiration, etc.) and leaves a delightful feeling of personal freshness.

★ ★ ★

A new specially shaped Towel—with new and improved properties—in a new and most ingenious packing—*isn't it the strongest selling story ever put out for a sanitary towel?* Camelia de Luxe "VANDERISED" Towels are packed in dozens in two interlocking flat boxes of six towels each. All the wording is on the detachable band label by which they are held together. Strip this off and there is no indication of the contents. What woman will not appreciate this point! No embarrassment in carrying, storing or disposing of the box. And the increased comfort, freshness and sense of security which the towels give will ensure their success.

*Camelia de Luxe*  
**VANDERISED**  
AND TOILET WATER  
*Towels*

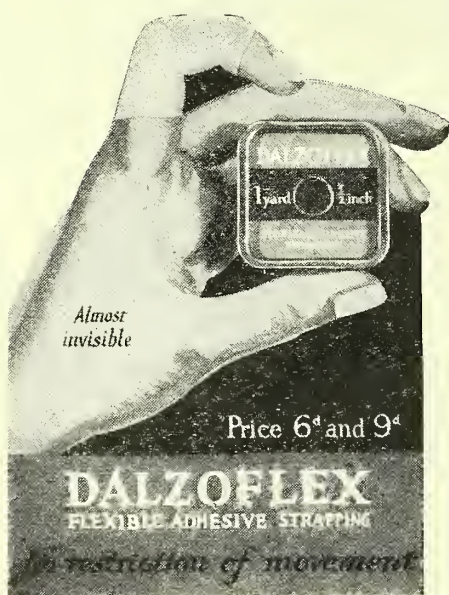
DEODORIZING ★ PROPHYLACTIC ★ ANTISEPTIC ★ SPECIALLY SHAPED



This line will bring you good business

# DALZOFLEX

## ELASTIC ADHESIVE STRAPPING



Dalzoflex (Regd.) is a new adhesive elastic strapping. It will stretch to approximately double its original length, and is supplied on dust-proof spools.

### PRICES

Spools (1 yard  $\times$   $\frac{1}{2}$ " ) 6d. each retail (4/- doz. trade)  
Spools (1 yard  $\times$  1" ) 9d. each retail (4/- doz. trade)

Dalzoflex is available in either natural or flesh-coloured shades. A counter display showcard (as illustrated) is supplied free.

Send for your copy of our new catalogue of Medical and Surgical Plasters (Elastic and Rigid).

Manufactured by

A. de St. Dalmas & Co., Ltd. (Dept. 11), Leicester

Depots at London & Leeds

## "MOSANS"

Non-Greasy, Odourless

# QUININE PESSARIES



15/-  
per dozen  
boxes

ORDER THROUGH ANY WHOLESALE

or from:

**MOSANS LABORATORIES** 15 ELMCOURT ROAD, S.E. 27  
Agents for South Africa: THE MONSOL DISTRIBUTING CO.,  
16 STANDARD BANK CHAMBERS, JOHANNESBURG.

THE NEW "MAR-VEL" BANDAGE

- EXPANDING
- NON-SLIPPING
- NON-SAGGING
- COMPLETE COMFORT

The "Mar-Vel" Bandage gives Maximum Expansion with minimum constriction. This is made possible by the inclusion of a remarkable new yarn—a combination of Latex and Viscose. This imparts new characteristics not hitherto possible, and the bandage gives full support with no fear of slipping or sagging. Each packed separately in transparent wrapping. Made in 2", 2½", 3", 4" and 6" widths. Obtainable from usual wholesaler.

A REAL ELASTIC CREPE

**L.T.X. LIMITED**  
STAR WORKS, RAILWAY ST. SOUTHPORT.

Other items in the "Mar-Vel" Range:  
"MAR-VEL" LATEX BED SHEETING  
"MAR-VEL" WRIST BAND (Flexible Poppin)  
"MAR-VEL" BODY BELTS

# MENE

## meets a big demand

For nearly half a century an unflinching demand has distinguished this famous towel. Unequalled for the quality of its texture, it solves the problem of personal hygiene for ever.

Mene ensures you a constant source of profit. Obtainable through all wholesale houses.

**ROBINSON & SONS LTD.**  
CHESTERFIELD & 168 OLD STREET, LONDON, E.C.1



## HYPODERMIC & SERUM SYRINGES & NEEDLES

WHOLESALE &amp;



ESTABLISHED 1893

## INSULIN & TUBERCULIN SYRINGES & NEEDLES

EXPORT ONLY

### Manufacturers of :

Fivepoint Record

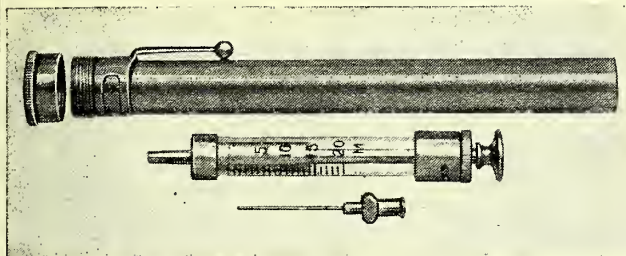
Fivepoint Glascord

Fivepoint Two-piece Glass  
and other SyringesAPPLY FOR : ILLUSTRATED LIST  
& PARTICULARS

BARRELS  
FROM  
ANNEALED  
GLASS  
OR  
PYREX GLASS



PYREX GLASS POSSESSES STRENGTH AND DURABILITY. IT DOES NOT CRACK OR BREAK WHEN SUDDENLY TRANSFERRED FROM 300° C. TO WATER AT 5° C. THIS ATTRIBUTE IS A BOON TO MEDICAL MEN, HOSPITALS AND INSTITUTIONS



Broken syringes of any make can  
be repaired with Pyrex glass.

The latest Pocket Type—Spirit proof  
case—Hypodermic Syringe and Needle  
is known as **The Fivepoint-Midget**.  
The case dimensions are 5 inches long  
by  $\frac{1}{2}$  inch diameter, this being the size  
of the average Fountain Pen

APPLY FOR PARTICULARS

Telegrams :  
"TOURNIQUET"  
SMITH, LONDON

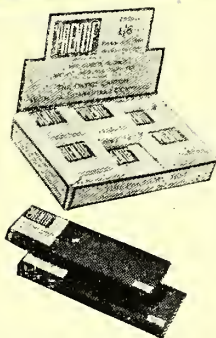
GENERAL SURGICAL COY., LTD., ROSEBERY AVENUE, LONDON, E.C.1

Telephones :  
TERMINUS  
1045, 10 7, 1048

# Prentif

THE NAME BEHIND THE APPROVED  
CONTRACEPTIVE PRODUCTS

"Prentif" Condoms and  
Sheaths in the dated pack-  
ings protect you against  
loss and your customer  
against failure. Out of  
date unsold goods are ex-  
changed without question  
and without deduction.  
"Prentif" Lines are  
Chemists' Lines—Associa-  
tion with the "Prentif"  
name enhances your pro-  
fessional reputation.



Particulars, Prices &amp; Samples from :

## PRENTIF LIMITED

Long's Court, St. Martin's St., London, W.C.2

Telephone : WHitehall 9270

SOLE AGENTS IN GREAT BRITAIN FOR HOLLAND-RANTOS  
CO. INC., NEW YORK, manufacturers of "Koromex" Products.

Supplied for retail sale only to Chemists and Druggists at  
Chemists' Wholesale Houses

THE

## "MATER" CLINICAL REGD.

The position of the Mercury column is at once  
perfectly plain. Red markings above 99.4.

## ALL TYPES OF CLINICAL AND OTHER THERMOMETERS

## PERKEN, SON & CO. LTD.

(ESTABLISHED 1852)

Price List on Application:—

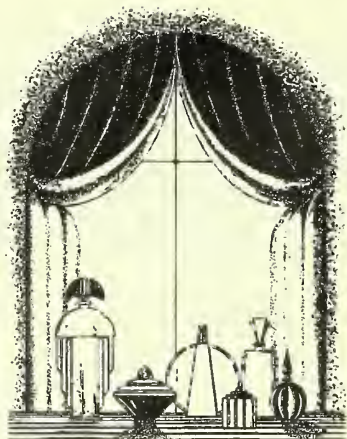
94 HATTON GARDEN,  
LONDON, E.C.1

Telephone : 0724 Holborn

Telegrams : "Optimus, Smith, London."







*Designers & Makers  
of  
Quality Glassware  
for  
Perfumery.*

ESTABLISHED 1828

**WOOD BROS. GLASS CO.  
LIMITED**

**BARNSELY**

**ENGLAND**



The British Industries Fair is open in London and Birmingham from February 15th—26th. Many shrewd buyers lay the foundations of a year's trading success in a week at the Fair. Buying is facilitated by the system of grouping similar products together. The DRUGS and CHEMICALS Section, for example, is at Olympia, London.

Copies of the catalogues of the London and Birmingham Sections of the Fair will be available as from February 8th, and may be purchased by trade buyers at a cost of 1/- each, post free, on application to the Department of Overseas Trade.

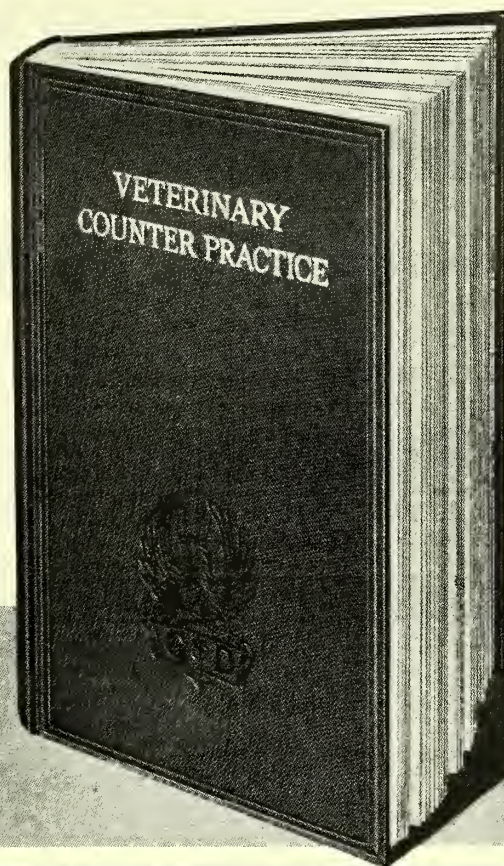
*Generous travel facilities are granted by British and European Railway, Steamship and Airways Companies to visitors to the Fair from the United Kingdom and from Europe. Full information obtainable from the Department of Overseas Trade, 35 Old Queen Street, London, S.W.1, or from the Birmingham Chamber of Commerce (Inc.), 95 New Street, Birmingham, 2.*

**BRITISH  
INDUSTRIES FAIR**

**London & Birmingham. Feb. 15th to 26th, 1937**



NEW EDITION



NOW ON SALE

## VETERINARY COUNTER PRACTICE

Completely re-written, enlarged, revised, re-illustrated and brought up-to-date in every detail. Compiled by a practising veterinary surgeon for the use of Pharmacists

This book contains information of practical value to every Chemist, whether in Town or Country. Farmers, Stockbreeders and Householders—all are potential customers for veterinary remedies. This book supplies the information you require in concise and accurate form.

PRICE 10/- 10/6 post free

*Make sure of your copy by filling in the order form below*

To THE PUBLISHER,

THE CHEMIST AND DRUGGIST,  
28 Essex Street, Strand, London, W.C.2

Please send me, post free, a copy of  
"VETERINARY COUNTER PRACTICE"  
for which I enclose remittance value 10/6.

### ORDER

Date \_\_\_\_\_

Name \_\_\_\_\_

Address \_\_\_\_\_

Affix  
Slip Label  
here

# THE CHEMIST & DRUGGIST

28 ESSEX STREET, STRAND, LONDON, W.C.2

VCP 3



## Glass Bottles for TOILET & PERFUMERY

Distinctive Bottles  
Promote Sales

**Pendred & Heim**, 40 Trinity Sq., E.C.3

TELEPHONE: ROYAL 3659-4042

FOR Drugs and Galenicals, for  
Patents and Tablets, for Packed  
Goods, for "Own Name" Specialities  
and the latest in Toilet Goods.

# GOODALL'S

GOODALL, BACKHOUSE & CO. LTD., LEEDS

Tel.: 20435-9 (6 lines).

Write for  
Quotations

We are famous for **QUICK DELIVERY**—daily throughout most of Yorkshire.

## HALIBUT LIVER OIL

PURE HALIBUT LIVER OIL. CAPSULES AND EMULSION

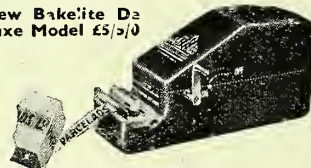
We offer genuine halibut Liver Oil of high vitamin potency, also  
Halibut Liver Oil Capsules and Emulsion. Ask for samples and prices.

## LOETHOUSE & SALTNER LTD—HULL

### SELF-PRINTING ADVERTISING TAPE MACHINE

Let your parcels advertise your goods. This marvellous machine actually prints in one or two colours, moistens and delivers advertising adhesive tape for sealing your parcels at an amazingly small cost. This machine not only opens up a wonderful new advertising medium, but reduces packing costs to an astounding degree. One foot of tape does the work of seven feet of string. **WRITE FOR DETAILS**—

New Bakelite D<sub>2</sub>  
Luxe Model £5/5/0



**PARCELADS LTD., SALISBURY HOUSE, LONDON WALL, E.C.2**

# Causyth

TABLETS  
SUPPOSITORIES  
POWDER

# for INFLUENZA RHEUMATISM!

ORDERS THROUGH WHOLESALE HOUSES or:—  
**CAUSYTH Ltd., 142 St. Stephen's House, WESTMINSTER, S.W.1**

*Eau de Cologne . . . Lavender Water*

ALL TOILET PREPARATIONS

*Low, Son & Haydon, Limited*

5 GT. QUEEN ST., LONDON, W.C.2

COURT

TELEPHONE: HOLBORN 4007

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PERFUMERS

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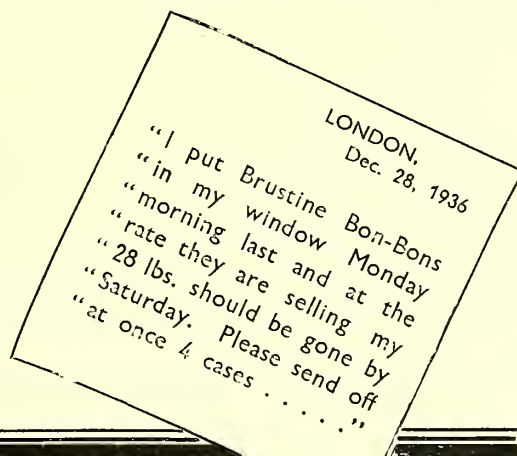
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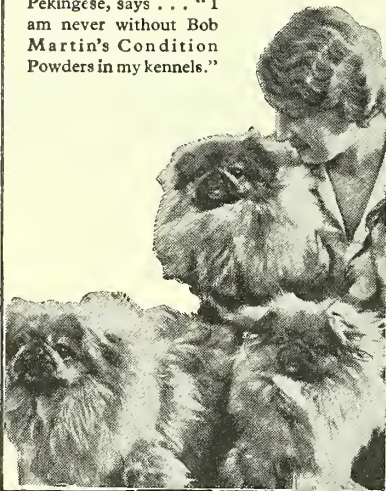
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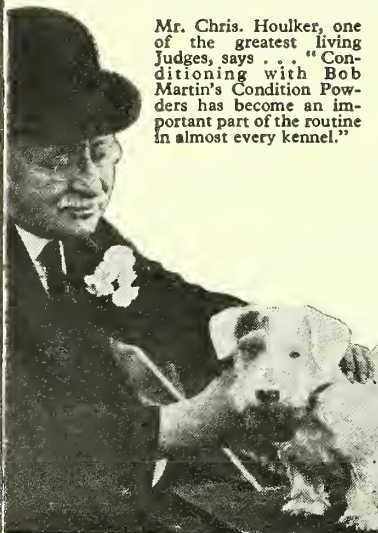
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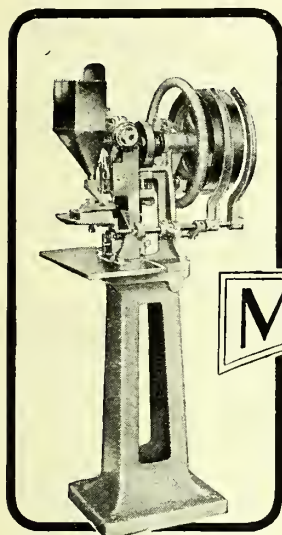
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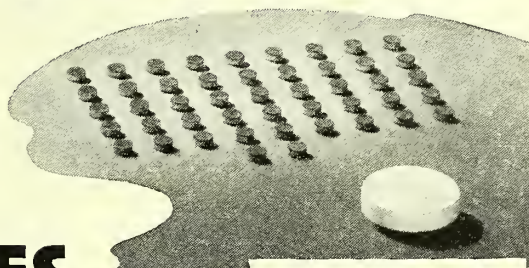


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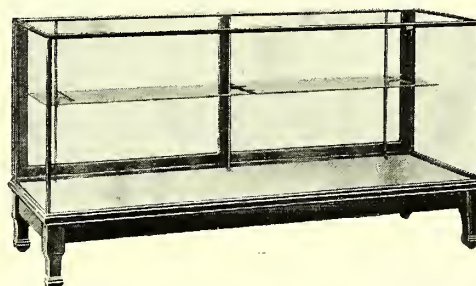
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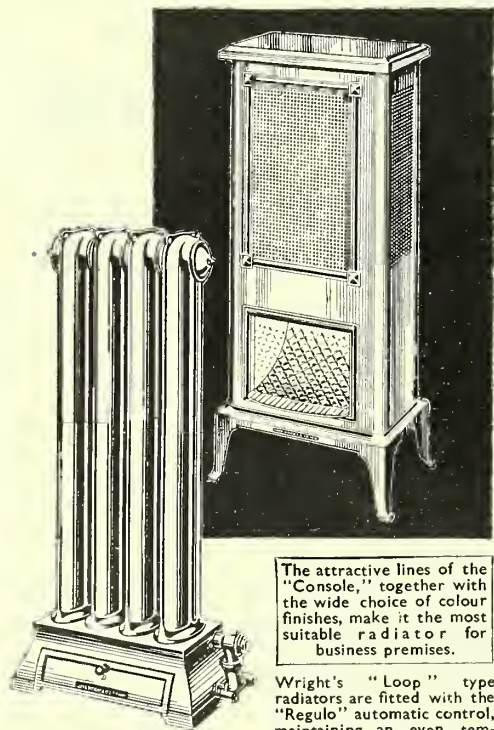








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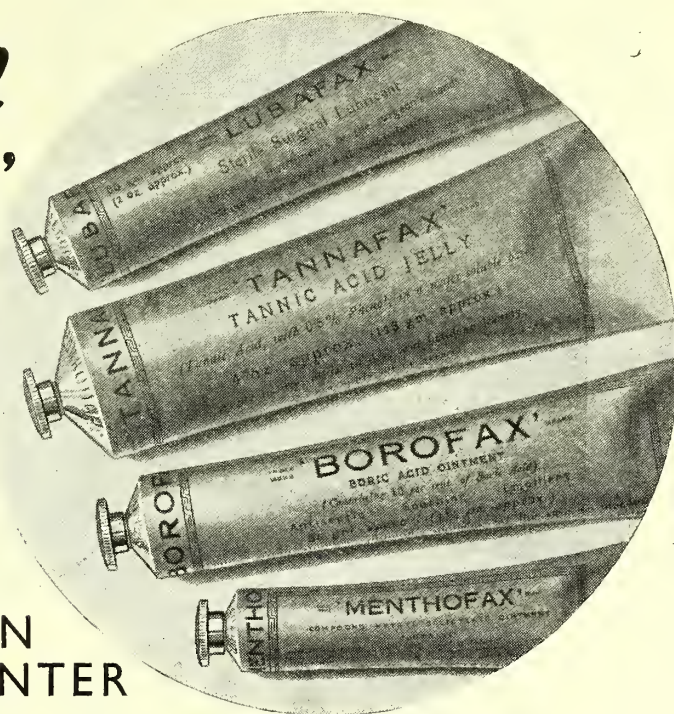
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VOL. 126. NO. 2976

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## News of the Week

### Dangerous Drugs Acts, 1920-32

(From "The London Gazette," February 16, 1937)

#### SUSPENSION OF WITHDRAWAL OF AUTHORISATIONS JOHN ALEXANDER ROSS

The Home Secretary gives notice that he has suspended until further Order the operation of the Notice, dated April 24, 1935, and published in "The London Gazette" and "Edinburgh Gazette" on April 30, 1935, withdrawing from John Alexander Ross, M.B., Ch.B. (Aberdeen), now residing at 6 Erskine Terrace, Aberdeen (whose registered address is Fernlea, Brora, Sutherland), the authority granted by the Regulations made under the Dangerous Drugs Act, 1920, to duly qualified medical practitioners to be in possession of and to supply raw opium, coca leaves and Indian hemp, and the drugs and preparations to which Part III of the Act applies; and has also suspended the direction, given at the same time, that it should not be lawful for Mr. Ross to give prescriptions for the purposes of the aforesaid Regulations.

Whitehall, February 16, 1937.

#### First-aid Boxes

The Home Secretary has issued draft Orders and Regulations which he proposes to make under Section 29 of the Workmen's Compensation Act, 1923, Section 7 of the Police Factories, etc. (Miscellaneous Provisions) Act, 1916, and Section 79 of the Factory and Workshop Act, 1901, amending the requirements contained in the existing orders and regulations as regards the marking of first-aid boxes and cupboards at factories, workshops, docks and premises where machinery is used for the

purpose of building operations. Such boxes and cupboards are at present required to be marked with a white cross on a red ground, but in view of an International Convention it is proposed to repeal that requirement and to require first-aid boxes and cupboards newly provided in future in factories, workshops, etc., to be marked with the words "First Aid." Any objection must be in writing and must state (a) the draft Regulations or portions of draft Regulations objected to; (b) the specific grounds of objection; and (c) the omissions, additions or modifications asked for. Copies of the proposed Orders and Regulations may be obtained from H.M. Stationery Office, Kingsway, London, W.C.2, price 1d. each.

#### Inquests

A verdict of "Misadventure" was returned at a Birkenhead inquest recently on the body of Mr. Henry Cleeland, chemist and druggist, Woodward Road, Rock Ferry, who was knocked down by a motor-cycle on January 11, and died in hospital.

In Manchester, on February 12, an inquiry was held concerning the death of Mr. Wilfred Wilson, a Rochdale Road chemist, who, the evidence showed, had been worried about business and had poisoned himself with hydrocyanic acid. A verdict of "Suicide while of unsound mind" was given.

#### Birmingham

Addressing a party of medical officers of health who made a tour of the Bournville works on January 29, Mr. A. W. Knapp (chief chemist at the works) suggested that prepared foodstuffs which could be stored satisfactorily were essential to our civilisation. One of the difficulties was that the public,



in the main, would eat or drink only what they enjoyed, and demanded the maximum of convenience.

The Birmingham Pharmaceutical Association's second dance of the season was held at the Botanical Gardens, Edgbaston, on February 10. Mr. F. Green and Mr. F. W. Yeomans acted as M.Cs. Special competition dances were arranged, and the prize-winners were:—Mrs. Dunnett, Mrs. Howard, Misses Perry, Lloyd, Dixon and John; Messrs. Dunnett, Stokes, Keen, Martin, Montgomery and Poole. Dancing continued until 1 a.m.

### Coventry

At the Geisha Café, Coventry, on February 9, Mr. A. R. G. Chamings, B.Pharm. (head of the Leicester School of Pharmacy), addressed the Coventry Branch of the National Pharmaceutical Union on "The Pharmacological Action of Purgatives." Reference was made to theories advanced upon the interaction between drug and living cell and the quantitative reactions of stimulation or depression which characterised the action of drugs in general. The choice of drugs as purgatives depended on their power of inducing evacuation of the bowels without the secondary features of remote effects due to absorption in the intestines. A classification of purgatives was considered with reference to the value of increasing the bulk of the intestinal contents by substances such as agar and the saline aperients; to reflex stimulation of peristalsis by irritation of the intestinal mucosa, as with castor oil; and to direct stimulation of the neuro-muscular mechanism with pituitary extract, etc. The purgatives of the B.P. were detailed together with indications and contra-indications of their use. Several questions were asked.

### Derby

A meeting of the Derby and District Branch of the National Pharmaceutical Union was held on February 10. The meeting was addressed by Mr. G. A. Mallinson (secretary, N.P.U.), who spoke on the evidence submitted to the Select Committee on Medicine Stamp Duty, and on the Chemists' Friends scheme. Individuals and branches who were inclined to be impatient with the rate of progress in the C.F. scheme were reminded that membership of the N.P.U. was voluntary, and that no disciplinary measures could be taken to enforce the co-operation of members for any cause. Mr. Mallinson was asked what action had been taken by the Union as a result of the resolution which was passed at the Branch Delegates' Conference: "That support of the C.F. scheme should be made a condition of membership of the N.P.U." He explained that the Executive had no mandate to expel members or to enforce them into any action or policy with which they were not in agreement. The Branch, while appreciating this difficulty, considered that it would be to the benefit of members of the craft generally if some means could be devised whereby membership of the Union would be compulsory, and that the Union should have disciplinary powers over its members. A suggestion has been sent to the Union that they test the feeling of other branches and find out what proportion of members of the Union would be willing to submit to disciplinary powers by the executive.

### Enfield

A meeting of the Enfield and District Chemists' Association was held on February 2, Mr. A. R. Cross in the chair. The new Shop Hours Act was discussed. Mr. G. T. Pierce declared that the majority of customers served on Sundays did not require urgent medicines and that it would not be worth while opening after May 1. Mr. Cross suggested a rota system, splitting the area into districts and including company shops. Mr. Linstead pointed out that there was a special rule for pharmacists. Mr. Pierce proposed that all pharmacists should close all day on Sundays, except in case of emergency. This was seconded by Mr. Corral and carried unanimously. The secretary was instructed to notify the local Press of the resolution and the reasons for it, adding that a list of pharmacists residing at their business addresses was lodged at Enfield Police Station so that urgent medicines could always be obtained.

### Hull

Members and friends of the Hull Chemists' Association and Branch of the Pharmaceutical Society held their annual dinner dance at Powolny's Restaurant, Hull, on February 11. The

guest of honour was Mr. H. M. Hirst, Scarborough (a member of Council of the Pharmaceutical Society), who was present with Mrs. Hirst. Mr. R. Mountain (Hull Insurance Committee) and Mrs. Mountain were also present. Mr. R. H. Watson (president) who was in the chair, proposed "The Pharmaceutical Society and the Visitors." He congratulated



Left to right: Mr. H. BAYES, Mrs. SURFLEET, Mr. A. SURFLEET, Mrs. MOUNTAIN, Mr. R. MOUNTAIN, Mrs. WATSON, Mr. R. H. WATSON (President), Mrs. HIRST, Mr. H. M. HIRST

Mr. Hirst on his election to the Council. Mr. Hirst, responding, referred to a letter he had received from the Hull vicinity with regard to the Coronation dinner to be held by the Pharmaceutical Society. The letter stated: "I feel I should greatly like to see some of our museum specimens in the flesh. The chance of sunning themselves in the Guildhall setting should add many cubits to their stature." Mr. Hirst said it was thirty-five years since he first came to Hull, starting at a shop in Whitefriargate as a junior. Hull was a city of which they could be proud, and had a body of pharmacists of which they could be proud too. Dancing followed.

Among those present were Mr. D. W. Robinson (secretary), Mr. and Mrs. A. Surfleet, Mrs. Shepherd, Mr. H. Ringrose (social secretary), Mrs. Watson, Mr. and Mrs. A. F. Clough, Mr. and Mrs. E. Hindle, Mr. and Mrs. C. A. Hewitt, Mr. and Mrs. S. Boyes, Mr. and Mrs. E. A. Brocklehurst, Mr. and Mrs. Spink, Mr. and Mrs. R. B. Sawyer, and Miss Muriel Bolton.

### Leicester

A meeting of the Leicester and Leicestershire Branch of the Pharmaceutical Society was held at the College of Technology on February 10, Mr. F. Purse in the chair. An address was given by Miss L. A. Kay, B.Pharm., Ph.C., on "The Storage and Labelling of Poisons." Over seventy members and students were present. The labelling regulations were illustrated by means of specimen labels shown on a screen. A keen discussion followed, and numerous questions were put to the speaker. An unusual query was: Is a powder paper "a container sufficiently stout to prevent leakage," and could White Precipitate B.P. be so wrapped for sale? The answer was: Probably so; it is difficult to say until a test case has been brought. The meeting closed with a vote of thanks to the speaker, proposed by Mr. Mellor.

### London

At Thames Police Court, on February 12, Joseph Bood, provision merchant, Sabbarton Street, Poplar, was summoned for vending Aspro without having obtained a licence as required. Mr. J. L. Willis, who prosecuted, explained that Bood had been licensed for many years to sell patent medicines at his shop at Orchard Place, Poplar, but the premises were pulled down under a clearance scheme and he moved to the present address in January 1936. The licence should have been renewed on September 2. The magistrate said he had received a letter from Bood saying that he could not afford the licence. A fine of 20s., with £2 2s. costs, was imposed.

At West London Police Court, on February 13, Charles Brown, labourer, was charged on remand with attempting to obtain the sum of £4 by false pretences from Mr. R. Desvaux, chemist and druggist, Fulham Palace Road, S.W.6. Evidence was now given by Mr. James Laycock, chemist and druggist, New King's Road, S.W.6, who said that the prisoner entered his shop and ordered articles, the price of which amounted to £2 11s. He said he was short of cash, and asked witness to give him a cheque form, saying he would make out a cheque,



get it cashed, and pay for the goods. Witness demurred at first, but eventually gave him a form and he left the shop. Mr. Laycock identified the torn cheque produced as being the form he gave the prisoner. The accused was again remanded.

The annual social evening and dance given by the principal (Mr. H. Lucas, Ph.C.) to students of the South of England College of Pharmacy was held at the Avondale Hall, S.W.9, on February 10. After dinner the principal made a speech of welcome, following which a cabaret was presented. Mr. C. W. Bruce, on behalf of the students, addressed the principal and spoke in appreciation of the training they were receiving, in token of which Mr. Bruce presented a pair of gold dress links and a set of gold dress studs. Mr. Lucas replied. Dr. J. Stanley White (a past member of the staff of the College and an old student) then addressed the chair on behalf of old students present, his speech being enlivened with characteristic humour. Mr. Lucas again replied. Mr. R. W. Hatton spoke on behalf of friends present. Among the guests present were Dr. C. Reid (Reader in Physiology, University of London), and Mr. A. Pirnie, B.Pharm., Ph.C. The M.C. for dinner was Mr. C. Kempley, and for the dance Mr. C. Beaven. The organisers were Messrs. Ferrier and Kempley.

The annual dinner, dance and cabaret of the West Ham and Eastern District Association of Pharmacists (which completes its thirty-fourth year next month) was held at the May Fair Hotel, W.1, on February 11, the president (Mr. S. Clifford Jones) in the chair. The West Ham Association has an enviable reputation for alert and competent management, and by way of living up to it the energetic secretary (Mr. Joseph Reed) arranged the evening so that the dinner and the speeches were over in about two hours, leaving ample time for the less formal part of the proceedings. The oratory was brief and pointed. Mr. C. A. Clark led the sextet of speeches with the toast of "The Pharmaceutical Society of Great Britain," and in the space of about three minutes paid graceful compliments to its work. Mr. E. H. Simmons (vice-president), responding, congratulated the Association on the recovery of its secretary after his severe illness. Mr. Reed, he said, was an autocrat whose work everyone appreciated. He thanked the Association for its work on behalf of the Benevolent Fund: this record should be a stimulus to other associations. The plans for the new home of the Society would be published in the near future. The next toast, "The Ladies," was submitted by Mr. Herbert Skinner in his most humorous vein, with a touch of Socratic irony. Mrs. S. Clifford Jones, in an effective reply, pointed out that the Pharmaceutical Society recognised ladies although the medical profession was so retrograde as to close some of its schools to them. The last toast, that of "The Association," was felicitously proposed by Mr. H. E. Chapman (general secretary, Proprietary Articles Trade Association), who remarked that what West Ham thinks to-day Bloomsbury will think to-morrow. The president, in response, said that West Ham had defied the ruling body when it thought that the ruling body was wrong, and had never been afraid to say what it thought. Apologies for absence were received from Mr. Thomas Marns (president of the Pharmaceutical Society), Mr. T. Edward Lescher (chairman of the British Pharmaceutical Conference), and Mr. Gray (a past-president of the Association). A collection for the Benevolent Fund of the Pharmaceutical Society amounted to £17 2s.

Among those present were Mrs. S. Clifford Jones, Mr. W. J. Beardsley, Mr. H. E. Chapman, Mr. C. A. Clark (clerk to the West Ham Insurance Committee), Mr. G. W. Evans, Major J. J. G. Hay, Mr. Vivian C. Hewlett, Mr. Hopman (chairman, West Ham Insurance Committee), Mr. Arthur Mortimer, Mr. E. H. Simmons, Mr. and Mrs. Herbert Skinner, Mr. W. T. Towler, O.B.E., and officers of various London chemists' associations.

A meeting of the West London Branch of the Pharmaceutical Society, preceded by a supper, was held at Stewart's Restaurant, W.1, on February 17, the chairman (Mr. P. D. Goodwin) presiding. Before the business of the evening (a debate) began, the general secretary (Mr. Clifford Evans) called attention to the new competition for assistants. Mr. B. R. Wilkinson proposed a resolution urging greater concentration on the professional side of the business. If, he said, pharmacists abandoned their claim for legal status, they became mere traders. There was always a satisfaction in turning out prescriptions properly dispensed. Mr. David T. Jones, opposing, said that professionalism was as dead as mutton. What was the thing that would increase the bank balance?

The only way to make business a financial success was to have a personality. Mr. Jones gave figures showing more money in beauty products than in other classes of goods, and added that there was more in prescribing than in dispensing.

A good discussion on this familiar subject followed. Mr. Edyvea thought that professionalism was on the up-grade. Mr. Dewey replied that the principal question was what the till showed at night. Financiers had "collared" many popular proprietaries for the sake of the profit. The future of pharmacy was wholly commercial, but not with a blatant commercialism. Mr. Alban Atkin insisted that pharmacists are qualified to give advice and to prescribe for minor ailments. Mr. Phillips held that the professional and the commercial sides of pharmacy could not be separated. Co-operation with the medical profession should lead to the increased prescribing of preparations in the Codex. Mrs. Irvine was surprised to hear any doubts voiced as to whether pharmacy was a profession. She would like to see more distinctive shop windows. Mr. Tarry raised the question of dispensing prices in different types of district. Pharmacists, he added, must educate the medical profession if possible. Mr. Falding claimed that pharmacists were professional people "first, last and every time." There was nothing derogatory in making a living by selling something. Dr. C. H. Hampshire said that if pharmacy was to hold anything in a corporate capacity, it must have a body of people who had special knowledge. The late Colonel E. F. Harrison was an example of a pharmacist with special knowledge of a very large range of material. The two principal speakers having briefly summed up, Mr. Melhuish, on the invitation of the chairman, upheld the professional side of pharmacy in well-balanced terms. A vote of thanks to the chief speakers was proposed by Dr. Hampshire, and seconded by Mr. Shirliff.

### Manchester

The Manchester and District Pharmaceutical Masonic Association held their second ladies' evening of the season on February 10 at the Masonic Temple, Salford. The guests were received by the chairman (Bro. S. H. Hummel) and Miss J. Hummel. Dinner followed. After the loyal toast had been honoured, the following toasts were proposed: "The Chairman," "The Ladies" and "The Visitors" by Bros. Millner, Wild and Newton respectively. Replies were by the chairman, Miss J. Hummel and Bro. Longmire. In the whist drive, conducted by Bro. Hummel, the following were the prize-winners: *Ladies*, (1) Mrs. Edwards; (2) Mrs. Longmire; (3) Mrs. Newton; (travelling), Mrs. Beardsall; (lowest), Mrs. W. Lateward. *Gentlemen*, (1) Bro. Tyler; (2) Bro. Woodhead. Bro. Wild acted as M.C.

A joint meeting of the Manchester Pharmaceutical Association and Branch of the Pharmaceutical Society was held at the Victoria Hotel on February 11, when Mr. James Grier, M.Sc. (chairman) introduced Dr. R. F. Corran, B.Sc. (Evans' Biological Institute). Lecturing on "The Manufacture and Standardisation of Biological Products," Dr. Corran outlined at the outset the five subjects with which the cine film could, he explained, deal more adequately than was possible for him in the time at his disposal. As the film was shown he made a running comment on various points, such as the manufacture and clinical testing of liver extract and desiccated hog stomach substance; the preparation and physiological standardisation of extract of pituitary (posterior lobe); toxicity tests on mercurochrome; the Friedman diagnostic test for pregnancy. These subjects were illustrated by the film in a lucid manner, and the end of a most interesting night at "the pictures" came too soon. The chairman congratulated "Evans's" on the excellent manner in which they had filmed these subjects. He anticipated a hearty response to the invitation extended by Dr. Corran to visit the biological laboratories at Runcorn. Various questions were answered by the lecturer, after which Mr. H. Brindle proposed a vote of thanks.

### Southport

The annual ladies' evening of the Southport Pharmacists' Association and Branch of the Pharmaceutical Society was held on February 2. At dinner the chief guests were the Mayor and Mayoress of Southport. The president submitted the toast "The Mayor and County Borough of Southport." He offered congratulations upon their election to office. It was pleasant to reflect that the Town Council had in hand several new ventures, notably Botanic Gardens, pier and extensions to the



promenade. The Mayor thanked the gathering for the generous manner in which they had received the toast. Members were engaged in a profession which contributed, in no small manner, to the relief of suffering, and their work had increased since the National Health Insurance Act became operative. They appeared to suffer owing to the fact that patent medicines and prepared products were sold by those who did not employ qualified assistants. It was about time that the public appreciated that the chemist was not an ordinary shopkeeper. Mr. T. R. Newton proposed "The Ladies." Mrs. Meachim made an appropriate response. Dancing followed, Mr. F. Naylor acting as M.C.

Mr. L. G. Meachim (president) was in the chair, and others present were Mrs. Meachim, Dr. Cronin Lowe (president, Southport Branch, British Medical Association), Mrs. Cronin Lowe, Dr. MacDougall (chairman, Southport Medical Society), Mr. Chubb (president, Liverpool Chemists' Association), Mrs. Chubb, Mr. Humphreys (secretary, Liverpool Chemists' Association), Mrs. Humphreys, Mr. S. Taylor (treasurer), Mrs. Taylor, Mr. T. R. Newton (secretary).

### Miscellaneous

**MEDICINE STAMP DUTIES SELECT COMMITTEE.**—The Select Committee of the House of Commons inquiring into the medicine-stamp duties held a private sitting on February 11, Sir John Ganzoni presiding. It is thought that the Committee will not be long in presenting their report to Parliament.

**NATIONAL ASSOCIATION OF WOMEN PHARMACISTS.**—The election of the Committee of the National Association of Women Pharmacists takes place in April. Each nomination of a candidate for election as a member of Committee must be in writing, signed by two members of the Association. Nominations, with the consent in writing of the candidate nominated, should reach the Honorary Secretary (Miss G. Hindes, 58 Queensborough Terrace, London, W.2) not later than March 1.

## Scottish Notes

### Brevities

Dr. Joseph J. Blackie, F.I.C., Ph.C., has been appointed a governor of the Heriot-Watt College, Edinburgh. Dr. Blackie, Professor Kendall and Dr. A. Crichton Mitchell have been appointed members of the pharmacy advisory committee to the College.

The annual whist drive, supper and dance of the Dundee and East and Central Scottish Branch of the Pharmaceutical Society was held in Kidd's Rooms, Dundee, on February 10. About 150 were present. After supper, Mr. Davidson (president of the local branch) welcomed the company, and Dr. Tait (secretary, North British Executive) gave a short address. Mrs. Davidson presented the prizes to those who had been successful at whist: *Ladies*, (1) Mrs. Loney, (2) Miss Sharp, (3) Mrs. Scott, (4) Mrs. Watson. *Gentlemen*, (1) Mr. J. B. Ritchie, (2) Mr. Ellis, (3) Mr. J. Allan. *Lady playing as gentleman*, Miss E. Clarke. *Consolation Ladies*, Miss Martin. *Gentleman*, Mr. McFarlane. Mr. J. B. Macdonald, Perth, proposed a vote of thanks to the committee, and to Dr. Tait. Dancing followed.

### Edinburgh

The Edinburgh Chemists', Assistants' and Apprentices' Association met at 36 York Place, Edinburgh, on February 12, Mr. James Ferguson (president) in the chair. Prizes in the Macdonald competition in theoretical pharmacy were presented by Mr. J. Rutherford Hill as follows: (1) Francis Glen; (2) George Seath; (3) David J. A. Paton. Thanks were given to the donor of the prizes, Mr. A. Cruickshank. Dr. J. Tait gave an address on "Points of Contact between Medicine and Pharmacy." Dr. Tait said the presence of Government nominees on the Society's Council, collaboration in the production of the British Pharmacopoeia and the policy of joint meetings with members of the medical profession had brought about many valuable points of contact on a common professional footing. The medical curriculum was now so extensive that to a large extent the dispensing of medicines, pharmacognosy, and even prescribing had been dropped. Questions on which doctors might seek guidance were incompatibilities, dosage, antidotes and the best forms for administration of medicaments. To take due advantage of such points of contact the pharmacist required to keep in touch with all recent chemical and pharmacological work. It might be said this must be a labour

of love, for its monetary value was absolutely inadequate. The future organisation of public health services, said Dr. Tait, would be a scheme embracing all branches of medicine; the pharmacist must see that he secured his proper place. The time had come when contact should be made between the British Medical Association and the Pharmaceutical Society, to review the whole situation and relationship between medicine and pharmacy. On the motion of Dr. Blackie, a vote of thanks was accorded to Dr. Tait.

### Glasgow and West of Scotland

The Glasgow and South-West Scottish Branch of the Pharmaceutical Society met in Glasgow on February 10, when an address on "The Service We Render" was delivered by Mr. E. H. Simmons (vice-president of the Society). Mr. J. H. Ramsay, Ph.C. (vice-chairman of the Branch), presided. Mr. Simmons said that one of the first undertakings of the young Society was the establishment of a School of Pharmacy at Bloomsbury Square, where the first public classes in practical chemistry were commenced. Those who set this school up were not deterred by the thought that it might not pay. Their calling demanded a high standard of training only to be obtained, as far as the final stages were concerned, in a thoroughly well-equipped College such as they hoped their new premises would provide. They were investing their accumulated funds in this building for the benefit of their successors. Their school of Pharmacy had never paid financially, but it had given the world some of the most brilliant pharmacists, had contributed through its research work to the sum total of scientific knowledge, and had been a model for similar schools elsewhere. The educational policy of the Council had always been to turn out good and reliable pharmacists and to base their syllabus a little beyond the demands of the moment. When the 1912 National Health Insurance Act came into force the Government required a body of men to undertake the dispensing for persons entitled to benefit under the Act. The task was entrusted to chemists, and it had been performed so satisfactorily that a Royal Commission had declined to recommend that other persons should be admitted to do it. The Council had set up Pharmacological Laboratories which were now a national asset. The issue of diplomas in biological chemistry and in pharmaceutical chemistry, the library and museum, the British Pharmacological Codex and the "Extra Pharmacopoeia" were also referred to. Dealing with the protection offered by the Society, Mr. Simmons said that in preventing infringements of the Pharmacy Acts those who were legitimately carrying on their duties were being safeguarded. Local authorities had been notoriously slack in their administration of the 1908 Act. If a chemist was convicted of an infringement of the Dangerous Drugs Acts, the Home Secretary submitted the facts to the Council for its observations. Similarly, no man was removed from the National Health Insurance panel until the Council investigated the circumstances and, if necessary, made representations to the Minister of Health. Sir Kingsley Wood was now discussing with the medical profession the terms on which they would undertake medical benefit for persons between fourteen and sixteen years of age. Doctors were holding out for a certain fee, and he hoped that the representatives of pharmacists would be equally firm. The powers of local authorities in health matters had grown greatly in recent years. Pharmacists, by securing seats on their local councils, could assist the position of pharmacy in many matters.

The chairman said Mr. Simmons had given them a better conception of what pharmacy stood for in the life of the nation. Mr. Duff pointed out that public assistance work in Glasgow was not in the hands of the pharmacists, who dealt only with emergency cases when the dispensaries were closed and in certain areas without dispensaries. Dr. J. P. Todd (Royal Technical College, Glasgow) said they had a large school of pharmacy in Glasgow, which cost them nothing, the revenue coming from college and university grants. Would it not be possible to charge the London School to Government? Mr. Simmons said they must have some place for people to go who came from rural areas. Was Glasgow prepared to subsidise from its rates the training of people from other towns? Research work had also to be done. Dr. Todd pointed out that the Royal Technical College received only a small sum from the Corporation and was not subsidised from the rates. They took in students from any part of the world, and very important research work was carried out there. Mr. Simmons



said that Glasgow was in a more fortunate position than Manchester, where students from other towns were charged much higher fees. Mr. Sinclair (Greenock) said he objected to the metric system of weights and measures being employed in the B.P. He was also against chemists rendering service for dependants of insured persons at the present rates of pay. Replying to a question by Mr. James Ingram regarding the sale of lysol, Mr. Simmons said that lysol was lost to pharmacists before the passing of the 1933 Act. In reply to the chairman, Mr. Simmons said the Society had reduced the number of apprentices by one-third compared with the previous year and by 50 per cent. compared with a few years ago. Mr. Guthrie proposed a vote of thanks.

## Irish Notes

### Brevities

The pharmacy of Mr. W. J. Henning, Carrickfergus, co. Antrim, suffered from the overflow of the river on the night of February 12. The water went behind the counter, and boxes and bottles floated about.

Mr. Leonard Wilfred S. Clarke, Ph.C., for some years manager for Hayes, Conyngham & Robinson, Ltd., at 12 Grafton Street, Dublin, has been appointed Irish representative for Kolynos, Ltd., and will commence his career on March 1. His territory will include Northern Ireland in addition to the Free State.

That death was due to shock and heart failure following asphyxia caused by immersion in the Grand Canal was the verdict returned by Dublin City coroner at the recent inquest at the Meath Hospital on the body of Mr. John F. Jessop, L.P.S.I., Dispensary House, South Earl Street. The coroner said the bank of the canal at the place was unprotected and the lighting did not seem to be very good. It was possible that the deceased, who had a pharmacy in Dolphin's Barn, slipped and fell into the canal on his way home.

The pharmacy staff of S. Connor & Sons, Newry, struck work on February 10. In an interview Mr. J. E. Connor, J.P.,

head of the firm, said that the National Distributive and Allied Workers' Union had demanded that all chemists' shops should close from 7 p.m. to 9 a.m., and that no medicines required urgently could be supplied. In his opinion this clause of the agreement was impracticable and even cruel, and he had informed the Union's area organiser to that effect. Six of the seven strikers returned to work on the evening of the strike, agreeing to give up the Union.

### Belfast

Mr. John A. Stewart, Ph.C., Dundonald, was called as a witness at an inquest in Belfast, on February 12, on the body of an estate agent who was found dead in bed. Mr. Stewart said that on February 4 the deceased, whom he had known for five years, called at his pharmacy and purchased 3ss. of hydrocyanic acid, saying he wanted to kill a dog. Medical evidence showed, however, that death was due to heart failure following influenza, and the jury returned a verdict accordingly.

The annual meeting of the Belfast Pharmacy Branch of the National Union of Distributive and Allied Workers was held in the Central Hall, Belfast, on February 8, Mr. J. C. Johnston in the chair. The report stated that the Branch was formed in March 1935, and to the end of last year 135 members were enrolled. The Committee had had a conference with the Ulster Chemists' Association with regard to various matters affecting the interests of the trade. In October a request had been received from the pharmacy staffs in Newry to extend the organisation to that town, and a meeting was held at which all the assistants employed in eight shops joined the Union. The Belfast Committee had under consideration the question of proposals relating to wages and hours for the trade in Belfast, and the new Committee would complete these for presentation to the employers' organisation at an early date. The branch had taken up the question of assistants being refused unemployment benefit if, when they temporarily lost their position, they changed from evening to day classes at the Technical College. The umpire of the Ministry of Labour allowed the claim. The report and financial statement, which showed a satisfactory state of affairs, were adopted.

# Topical Reflections

By Xrayer

## In His Address

to the members of the Thames Valley District Pharmacists' Association (p. 185), the secretary of the Pharmaceutical Society was not in a very optimistic mood about matters pharmaceutical; in fact his address, judging from the necessarily condensed report you have printed, seems to be an indication of the non-effectiveness of the Society to secure to its members those rights and privileges due to them. I am not sanguine about what has been done by the Home Office to give pharmacists any status regarding air-raid precautions; so far as I can see the officials have handed over the whole matter to the local authorities, and between the two we shall probably find that we have been ignored. It is certainly news to hear that we have the best protection next to that of the dental and legal professions; it may be true that the medical profession has little protection, but it has a very powerful trade union, able and willing to assist its members. We can hardly say the same about our own Society. I confess my inability to follow the secretary's replies to questions about the probable exemptions from medicine-stamp duty of "own name" preparations and the likelihood of B.P. and B.P.C. preparations being stamped; if he had reversed the order his statement would have been more in accord with general expectation. The fact of the matter is that those at Bloomsbury Square have, in their attitude to the medicine-stamp duties inquiry, shown that in the secluded purlieus of that building they are out of touch with the practical aspects of our calling.

## It Is Refreshing

to accompany Mr. William Kirkby along the "pleasant byway" (p. 189), and with him discuss the interpretation of a phrase that puzzled the pundits of "The Times Literary Supplement." Charles Reade somewhere says that

there was picturesqueness about ancient warfare which is missing in later days of smoke and noise; it is equally true that the pharmacy of 300 or 400 years ago was enveloped in a poetical atmosphere that is wanting in these days of stainless steel evaporating pans. We have gained in efficiency but lost in imagination. The philosopher who, centuries hence, studies the history of pharmacy and tries to trace its evolution from the collection of simples to, say, the manufacture of insulin or the isolation of vitamin C, will have something to say regarding the disappearance of the unverified and often useless remedies that were such a feature of the old pharmacopœias and the beginning of what may be termed the scientific side of pharmacy that came into being with Linneus on the botanical side and Black, Priestley and Lavoisier on the chemical side. Nevertheless, although the efficacy of the newer medicines will not be unnoticed by him, he will probably linger over those records of an age when man lived close to nature, and when the remedies he used for his ills were to be found mostly in the hedges and fields around his dwelling-place, often plucked and prepared at the rising or setting of the moon.

## A Reduced Retention Fee

for non-practising pharmacists is not likely to meet with much sympathy in official quarters. The new drain on the funds in respect of new buildings and the increasing cost of the Society's trading schemes indicate that more, instead of less, will be required of members in the near future. Then, again, there is, as the secretary was instructed to point out, "the great difficulty in defining 'non-practising'." It will be comparatively easy to magnify the "difficulties" in this direction, especially in view of the unwillingness of the Powers that Be and their need for piling up against eventualities. So the elderly locum who has borne the heat and burden of the day will be "unlucky."



## Legal Reports

**Nominal Sizes.**—At South Shields Police Court, recently, Piesse & Lubin, Ltd., Kersal Vale, were summoned for applying a false trade description to bottles of lavender water supplied to Mr. Matthew S. Pearson, chemist and druggist, Cleadon, and to Fred C. Taylor, Ltd., chemists, Westoe Road, South Shields. Mr. L. John, prosecuting, said the bottles retailed at 6d. each and contained about 9 fl. oz. It was not suggested that there was any great fraud on the public. Mr. Donald Harvey, for the defence, said the scent was sold in what were called nominal 10-oz. bottles, and that description was applied to them in the catalogue. The cases were dismissed on payment of £3 16s. 6d. costs.

**Pharmacy and Poisons Act, 1933.**—At Bow Street Police Court, London, on February 11, before Mr. Fry, application was made on behalf of the Pharmaceutical Society for an adjournment of two summonses issued against Regent Chemists, Ltd., Old Compton Street, W.1. Mr. A. C. Castle, for the Society, said the summonses were partly heard by Mr. Harold McKenna, who was still away from his duties with a cold. Mr. Castle said that he had consulted with Miss Kirby, who represented the defendant company, and they had both agreed, subject to his worship's approval, that the case should be adjourned *sine die*, as in another case. The magistrate agreed to this course.

At Clacton-on-Sea, on February 15, Murrays Chemists (Clacton), Ltd., were fined £4 4s. on each of three summonses in respect of an irregular sale of pills containing colchicine, with £3 3s. costs.

## New Companies and Company News

**P.C. means Private Company and R.O. Registered Office**

**DEMOLENE (IMPORTERS), LTD. (P.C.).**—Capital £1,000. Objects: To carry on the business of importers of pharmaceutical commodities, etc. R.O.: First Avenue House, High Holborn, W.C.1.

**PEGG RIDDELL & SON, LTD. (P.C.).**—Capital £1,000. Objects: To carry on the business of manufacturers of and dealers in dental plant and accessories formerly carried on by Ada Pegg as Henry Pegg & Co., at 10 Mount Pleasant, Liverpool, and that of manufacturing and retail chemists, etc.

**CALTHROPS, LTD. (P.C.).**—Capital £100. Objects: To acquire all or part of the assets and undertakings of Calthrop Brothers, Ltd., incorporated in 1893, and to carry on the business of manufacturers of and dealers in feeding stuffs, fertilisers, and other chemical substances, oils, soaps, scents and essences, etc. R.O.: 56 Naylor Street, Liverpool.

**LANKRO CHEMICALS, LTD. (P.C.).**—Capital £5,000. Objects: To carry on the business of manufacturers of and dealers in all kinds of chemicals and chemical preparations, etc. Falk H. Kroch (permanent), Burford, Broad Oak Road, Worsley, Lancs; John H. Faber, "Fairholms," Castle Road, Weybridge, Surrey (director of Fredk. Boehm, Ltd.); Harwood Jarman, "Kerestal," Meadow Bank, Timperley, Ches, directors. R.O.: Bentcliffe Works, Salters Lane, Eccles.

**BABBITT PRODUCTS, LTD. (P.C.).**—Capital £40,000. Objects: To adopt agreements (1) with B. T. Babbitt, Ltd. (of Toronto, Canada), and (2) with Oswald Munro, Ltd., to carry on the business of manufacturers of and dealers in soap, soap powders, brushes, and all kinds of cleansing materials; chemists, druggists, etc. The first directors are Stuart A. Hirst, John W. Munro, Richard A. Oswald, John Rennie, Jerome Mendleson and Louis J. Gumpert. Solicitors: Dangerfield Blythe & Co., 26 Craven Street, Charing Cross, W.C.2.

**ASPRO, LTD.**—Interim dividend of 10 per cent. declared on the ordinary shares (same as in previous year).

On the petition of Ducoing et Compagnie of Rue Taitbout, Paris, Mr. Justice Bennett, in the Chancery Division, to-day, made an order for the compulsory winding-up of De Marigny

Cosmetiques, Ltd., 80 Regent Street, London, W.1. Mr. Jopling, for the petitioners, said they were creditors of the company for £800. The company did not appear.

**HOUGH, HOSEASON & CO., LTD.,** Sun Buildings, Bridge Street, Manchester, 3, state "they desire to deny a rumour being circulated in the trade that their business has changed hands." "There has been," they state, "no change in the control of the company, other than the election of Mr. Reginald Hindley, F.S.A.A., as a director, to act with Mr. R. Hough, the governing director. Certain internal reorganisation has been necessary, entailing some redistribution of personnel, which may have led to the circulation of the rumour referred to above."

**C. R. HARKER, STAGG & MORGAN, LTD.**—The secretary of this company has advised us: "A new private company has been formed under the title of C. R. Harker, Stagg & Morgan, Ltd., and has taken over the assets of National Drug Industries, Ltd. Directors: Julian D. Marks, John W. Crisp, A. B. Neil, C.A., Carl Schmiedler. Secretary: T. G. Don, A.C.A. General Manager: A. McDonald.

**NATIONAL DRUG INDUSTRIES, LTD.**—We have received from Mr. Parkin S. Booth, for and on behalf of the Unofficial Committee, the following communication, dated February 12, 1937: "I have been requested by the Unofficial Committee appointed in this matter to inform you that the Receiver for the debenture holders has entered into a contract, and has received a deposit, for the sale of the whole of the assets of the above to Staveley Trust Holdings, Ltd. I am also given to understand that the business will be conducted under the style of "C. R. Harker, Stagg & Morgan, Ltd." I am informed by the Receiver that the price is £53,000, and he assures me that this sum will show no surplus available for the unsecured creditors."

**SOUTHALL'S (BIRMINGHAM), LTD.**—The fortieth ordinary general meeting was held at the Queen's Hotel, Birmingham. Mr. Thomas Barclay, the chairman and managing director, presided. In the course of his speech, he said: It will be seen from the accounts that the profit for the year is £88,202, to which must be added £22,491 brought forward from last year, making altogether £110,693. This is after providing for income-tax, directors' remuneration, depreciation, bad debts, contingencies and the usual bonus and pension fund contributions for the benefit of employees and staff. An interim dividend on ordinary shares of £23,400 has already been paid, leaving us to deal with a balance of £87,293. We recommend a final dividend on ordinary shares of 6d. per share, free of income-tax, which absorbs £23,400. This dividend makes 1s. per share, free of tax, for the year. As will be seen from the balance-sheet, the company has realised a profit on sale of investments amounting to £12,033. Of this, the directors propose to appropriate £11,700 in making a distribution of 3d. per share among the holders of ordinary shares registered in the books of the company on February 8, 1937. You will be pleased that expectations have been realised, inasmuch as we have been able to maintain the same rate of distribution of profits on the fifth free capital bonus; the last—an issue of 156,000 shares—took place in 1936. The figures I have read from the accounts will suffice to show, I hope, that your capital is reasonably secure, and that the future is not without a promise. Of interest, no doubt, will be the fact that during every month without exception the sales were more than in any corresponding month of 1935, and that the total for the year was substantially larger. In 1936 there were more customers and there were more people employed. Yours is a progressive concern. Cash and investments combined show a liberal increase. There was more profit, and the disposal of the drug interests has been justified. The first act will be to build a new bleach works and equip it with very modern plant. That will be one block of buildings. Another block is a large new warehouse and workrooms. A third building to be completely equipped with new plant is under consideration. The floor space of the whole will be about 152,000 super feet, and the approximate cost about £200,000. A heavy charge, but not oppressive, for we have abundant funds which will be far from depleted. Mr. Frank N. Horton thanked the chairman and board of directors for the excellent results of the year's operations. The resolution was carried unanimously, and with acclamation. The Chairman, in reply, said: On behalf of the directors and myself I wish to thank Mr. Horton and Mr. Hickling for their confidence and appreciation. (Applause.)



# The Gracemont Trust, Limited

SINCE the publication in our issue of August 29, 1936 (p. 251), of a report on an interview with the secretary of the Gracemont Trust, Ltd., chemists in various parts of the country have written for further details. In the continued absence of the promised flotation of a £500,000 public company for the alleged purpose of financing the purchase of 250 chemists' shops the following details are presented:—

On January 13, 1937, the secretary of the Trust Company advised us that "definite arrangements have been made that all completions will take place during the next two or three weeks."

The registered office of The Gracemont Trust, Ltd., is at 57 Gracechurch Street, London, E.C.3.

The Gracemont Trust, Ltd., is registered, according to the records on February 16, 1937, as follows:—"Registered as a 'private' company on June 3, 1936, to offer for public subscription, or otherwise place or assist in placing the shares, stocks, debentures, bonds, scrip or other securities of, or to promote and establish any company, association, body or authority, to underwrite shares or other securities, and to carry on business as an investment trust company, etc. The authorised capital is £12,000 in 10,000 6 per cent. redeemable preference shares of £1 and 20,000 ordinary shares of 2s. each. Between July 21 and September 9, 1936, 9,200 preference and 8,002 ordinary shares were allotted, payable in cash and fully called up, and 11,998 ordinary shares were allotted as fully paid as consideration for services rendered and work done of and incident to the procurement, investigation and proposed acquisition of a large number of chemists' shops and businesses in London and the provinces with the intention that such shops and businesses shall be subsequently amalgamated and made the subject of an issue to the public of shares in a public company."

Shares  
Preference Ordinary

The allottees were:—

Wm. P. Farnfield, 38 Redesdale Gardens, Isleworth, solicitor	—	1
Geoffrey T. Lloyd, 30 West Cromwell Road, Kensington, S.W.5, solicitor	—	1
Leon Vermont, 57 Gracechurch Street, E.C.3, merchant	—	7,998
Norman F. Hankinson, 88 Gordon Road, Ilford, Essex, chemist	—	4,000
Kipsomba Estates, Ltd., P.O. Box 50, Eldoret, Kenya Colony	9,200	8,000

A debenture for £5,000, constituting a charge on the company's general assets, was issued on December 10, 1936, to the Kipsomba Estates, Ltd.

The directors at July 30, 1936, were Markham H. Thorp, solicitor, of 20 Pembroke Road, Earl's Court, W.8, and Frank Hyde, chartered accountant, of 45 Spring Grove, Loughton, Essex. F. S. Hankinson is the secretary.

Important statements made on behalf of the Trust Co. at the interview in August last, the published report of which was approved by the secretary of The Gracemont Trust, were:—

"We have practically concluded the negotiations for the purchase of the shops, and our solicitors are now completing the exchange of contracts for purchase. In quite a number of instances deposits have been paid and all the purchase contracts have to be completed not later than September 15 next." "They had sufficient cash guaranteed to cover the deposits now being paid and the successful flotation of the public company was assured, as they had received more than one offer to underwrite the whole of the half-million capital."

The secretary did not refute the statement put to him that "it was fairly general knowledge in the trade it was proposed that Mr. W. J. Beardsley, who is a member of the Council of the Pharmaceutical Society, was to be appointed managing director," but stated: "All I can say is that the executive officers are not 'company promoters.'"

"The prospectus [of the public company] will be issued not later than early September, and with the capital we shall pay cash for the shops and commence trading at the end of September."

During October, November and December, we received inquiries from proprietors who had negotiated for the sale of their businesses. Asked if there was any further statement they wished to make, the secretary of the Trust Company replied, under date January 13, 1937, "that, owing to the constitutional crisis, they postponed their completions arranged prior to Christmas last. Definite arrangements have been made that all completions will take place during the next two or three weeks." (C. & D., January 16, p. 53.) The constitutional crisis occurred in December, whereas we had been informed that "we shall pay cash for the shops and commence trading at the end of September." Five weeks have gone by, and on February 16 there is still no sign of the completion of scheme to purchase and take over the 250 shops.

We have had an opportunity of inspecting a "Draft Agreement for Sale and Purchase of Leases, Goodwill and Assets of a business of a Chemist and Druggist." This document appears to be of a standard type, and we would draw attention to two clauses:—

1. The sum of £— has been paid by the Purchaser to (name and address of solicitors) as Stakeholders between the parties on the signing hereof by way of deposit and in part payment of the said purchase money.
2. If the Purchaser shall fail to complete the purchase for three months after the completion date, the Vendor may by notice in writing forthwith rescind this Agreement, and shall be entitled to retain the said deposit.

At the first interview last August with our representative, the secretary of the company stated "our solicitors are now completing the exchange of contracts for purchase. In quite a number of instances deposits have been paid."

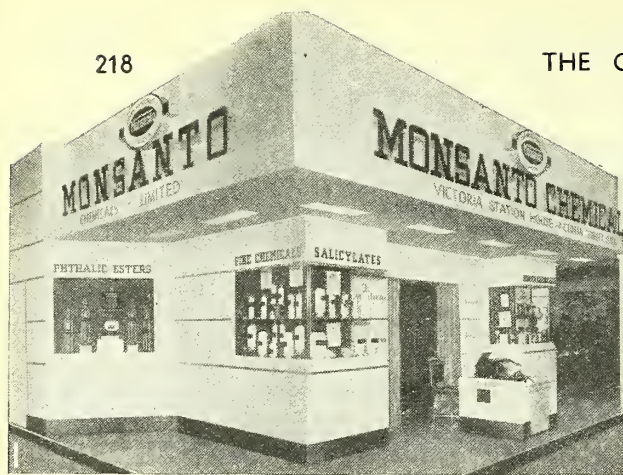
## Trade-Mark Applications

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary and Year-Book," 1937, p. 338.

(From "The Trade Marks Journal," January 27, 1937.)

- "WESTMINSTER CHIMES"; for films (1). By J. Barlow, Westminster Film Co., 8 Lambeth Palace Road, London, S.E.1. 573,542.
- "BROMESKO"; for films, etc. (1); for paper (39). "BIMAT"; for photographic apparatus (8). By Kodak, Ltd., Kingsway, London, W.C.2. 572,851/852/853. (Associated.)
- Design of figure with spray; for all goods (2). By The British Fumigants Co., Ltd., 7 Idol Lane, London, E.C.3. 565,598.
- "MOLLUSCIDE"; for insecticides (2). By H. L. Stringer, Pinecroft, Rockbeare, Exeter. 572,830.
- "WIMSOL" on label design; for fluid disinfectants (2). By Wimsol, Ltd., Grace Street, Keighley, Yorkshire. 573,361.
- "SNUG"; for veterinary chemicals, etc. (2). By Le-Ri-La Co., Fields Lodge, Milford Haven. 573,752.
- "BAN IFEX"; for veterinary preparation for animals and poultry (2). By A. E. Cook & A. E. Ellen, Amberley Road, Storrington, Sussex. 573,764. (Associated.)
- "DR. BEYER ANTISEPTIC"; for antiseptic ointments and medicines (3). By Beyer International, Ltd., 2 Clement's Inn, London, W.C.2. 568,546.
- "TRIAD"; for medicated extract of malt and cod-liver oil (3). By J. Bell, Hills & Lucas, Ltd., Tower Bridge Road, London, S.E.1. B572,503.
- "FYNON"; for medicinal salts (3). By Fynon, Ltd., Great West Road, Brentford. 572,646. (Associated.)
- Monogram "I. D. L."; for medicinal chemicals (3). By I. D. L. Medical Products, Ltd., 87 Shandwick Place, Edinburgh, 2. 573,451.
- "LONACOL"; for medicinal chemicals (3). By Bayer Products, Ltd., 31 Basinghall Street, London, E.C.2. 573,321.
- "PEARLETE"; for dental preparations (48). By The Scottish Co-operative Wholesale Society, Ltd., 95 Morrison Street, Glasgow. 567,773.
- "VALORY"; for perfumery (48). By Bond Products, Ltd., 5 Gunnersbury Crescent, London, W.3. 570,709.
- "DECOMOL"; for toilet dusting powder (48). By R. Sumner & Co., Ltd., 40 Hanover Street, Liverpool. 571,048.

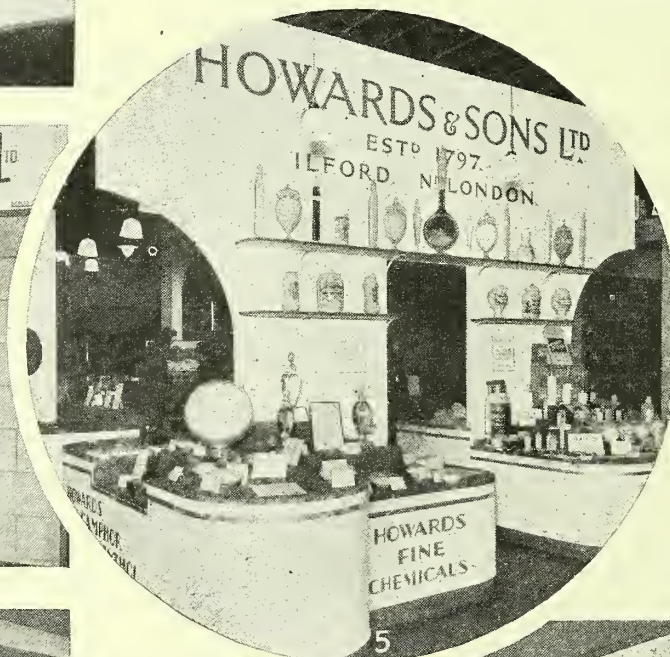
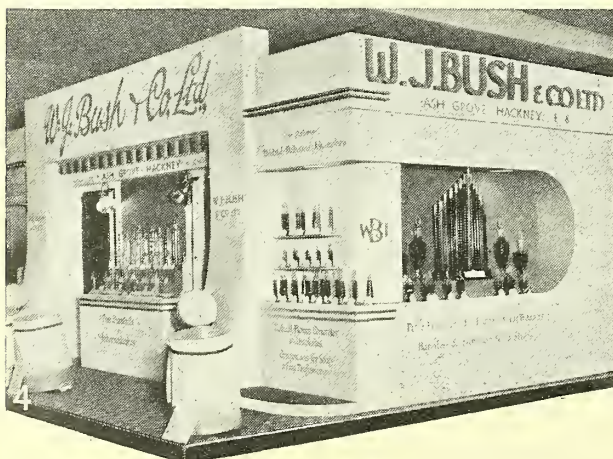
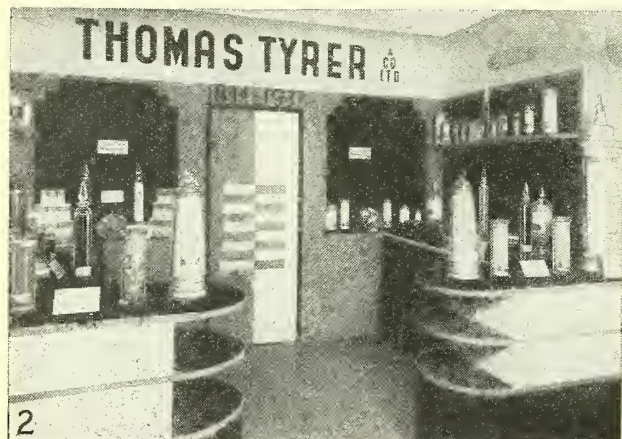




# BIF

THE London sections of the British Industries Fair at Olympia and the White City were opened on February 15. Details of the exhibitors of chief interest to the drug trade were given in last week's issue of THE CHEMIST AND DRUGGIST, and in this and the following pages we reproduce photographs of a number of the stands. The section devoted to drugs and chemicals is situated in a similar position to last year, but unfortunately the perfumery section has been removed to the floor above. In this connexion, too, it may be pointed out that a number of the signs indicating the position of this section read "Chemists' Goods." The section as a whole does not appear to be so representative of the perfumery industry as in former years, but whether this is due to its separation from the drug and chemical section or not, it is impossible to say. As is to be expected, the influence of the Coronation is shown on quite a number of stands. There are excellent displays in the Empire section and among the exhibits of interest to the drug trade are those of India (coconut, castor, ground nut and linseed oils, chillies, cardamoms, cumin, rape seed, talc, barytes, and vanadium), Mysore (sandalwood oil, cardamoms, incense sticks known as joss-sticks, and lac), Newfoundland (cod-liver oil and seal oil), Canada (honey, fruit and vegetable juices, rubber goods), Malaya (damar, patchouli oil, cinnamon, cloves, areca), Rhodesia (soya beans, ground nuts, sunflower and linseed).

The manufacturers of scientific apparatus have again staged a comprehensive exhibit, but one of the interesting displays which might have been included in this category is to be



# BIF

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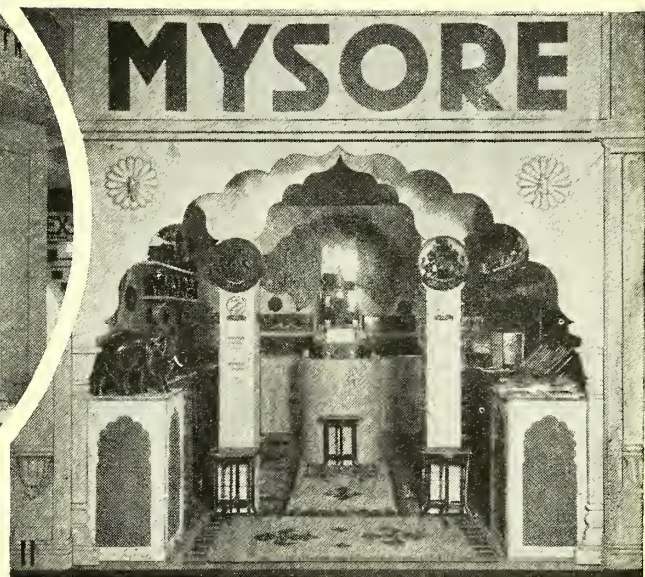


# BIF

found on the first floor. This relates to an exhibit of a new plastic material which has the transparency of glass. From this material there are shown a number of lenses which are stated to be suitable for cameras, binoculars and other scientific instruments. The lenses are shown polished and ready for mounting, and among the advantages claimed for them over glass are their lightness and the fact that they are not easily broken.

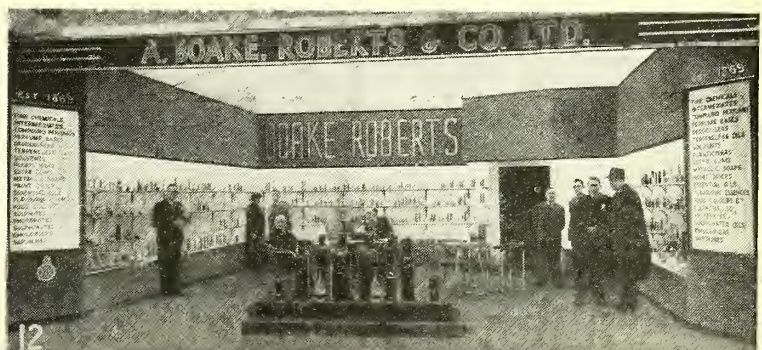
It was officially announced that the number of exhibitors in London had increased to 1,578, and that their displays occupied 538,524 square feet of space. There is a total stand frontage of fourteen miles. At the White City, Shepherd's Bush, the displays are devoted to textiles, furniture and furnishings. A free coach service is provided for buyers between Olympia and the White City. At Castle Bromwich, Birmingham, an exhibition devoted to the engineering trades is run on the lines of the London sections.

The customary Government dinner in celebration of the event was held at the Mansion House on February 15 under the chairmanship of the Rt. Hon. Walter Runciman, President of the Board of Trade. The Duke of Kent, who was the chief guest, proposed the toast of the evening in an appropriate speech. Mr. Runciman, responding, referred to the increase of the Fair within the last ten years, and dealing with the general trade position of the United Kingdom, said that during the last three or four years we had been struggling back to a position of comparative prosperity. There was a larger number of people in employment in British industries to-day than ever

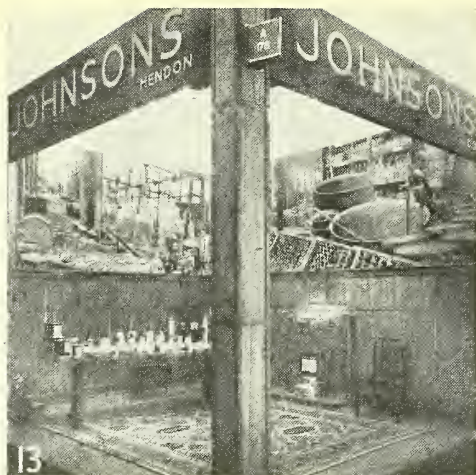


**BIF**  
1937

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13



14



15



16



17

before in the history of our country. There were no fewer than 500,000 more employees of insurable age engaged in industry than there were a year ago. Last and most important of all, prosperity was returning to British shipping. The movement of international trade, Mr. Runciman concluded, must be reciprocal. The distinguished gathering included ambassadors of foreign countries, members of both Houses of Parliament, and the Lord Mayor and Sheriffs of London.

By a typographical slip the first sentence of the paragraph relating to Whiffen & Sons, Ltd., in our issue of February 13 was incomplete; it should have read, "Whiffen & Sons, Ltd., Aldersgate Chemical Works, Carnwath Road, London, S.W.6, are, as usual, making a special feature of their bromide, etc."

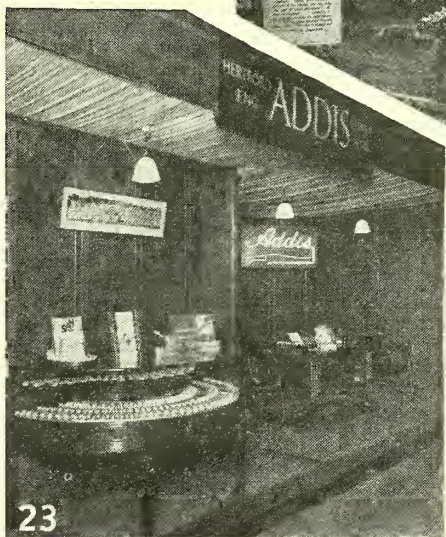
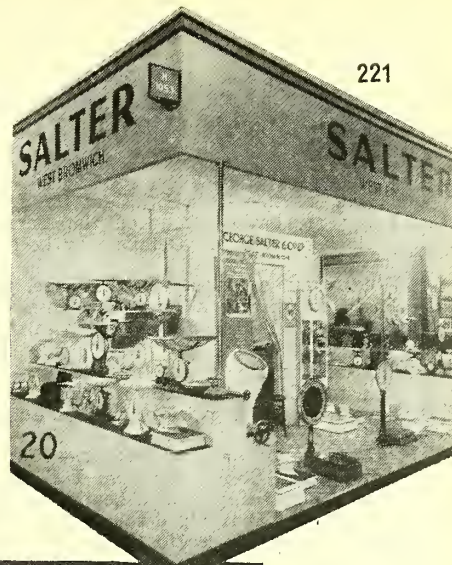
#### The Illustrations

1. The stand of MONSANTO CHEMICALS, LTD.
2. THOMAS TYRER & Co., LTD., stressed their long association with the chemical industry and featured metallic esters.
3. INTERNATIONAL BOTTLE Co., LTD., graphically illustrated stages in the making of glass bottles.
4. W. J. BUSH & Co., LTD., had sections dealing with fine chemicals, flavourings, perfume compounds, etc.
5. Old pharmacy jars at the stand of HOWARDS & SONS, LTD.
6. A coach, familiar to London chemists before the Great War, was a feature of the exhibit of JOHN GOSNELL & Co., LTD.
7. ALLEN & HANBURYS, LTD., were showing surgical apparatus,



18





8. A display of floral perfumes by ZENOBIA, LTD.
9. CHARLES MIDGLEY, LTD., were showing perfumes and soap novelties, and the newly acquired Gladys Cooper beauty preparations.
10. The stand of WHIFFEN & SONS, LTD., had an attractive modern setting.
11. Sandalwood oil was a central feature of the stand of the Mysore Government in the Empire section.
12. A. BOAKE, ROBERTS & CO., LTD., showed a great variety of fine chemicals, perfumery and essential oil products, etc.
13. JOHNSON & SONS, MANUFACTURING CHEMISTS, LTD., again adopted a photographic background for a display of their products.
14. T. J. SMITH & NEPHEW, LTD., concentrated interest on Elastoplast and Tensoplast bandages and first-aid dressings.
15. The stand of EDWARD HACK, LTD.
16. MRS. POMEROY, LTD. used the colour scheme of their products
17. The central feature at the stand of BOOTS PURE DRUG CO., LTD.
18. SOLPORT BROS., LTD., had again a colourful display.
19. HANOVIA, LTD., illustrated the uses of their sunlamps.
20. Weighing machines at the stand of GEO. SALTER & CO., LTD.
21. A special coronation souvenir was featured among the badger shaving brushes of A. SIMPSON.
22. SAMUEL FOX & CO., LTD., showed stainless steel products.
23. ADDIS BRUSHWORKS displayed toothbrushes of many varieties.
24. THE CHEMIST AND DRUGGIST stand was, as usual, a meeting place for all connected with the drug, chemical and perfumery trades.



## Trade Notes

**EYE BATH.**—Jack L. Barnett, Ltd., 12 Meadow Lane, Leeds 11, have introduced the Barnook eye cup, which is packed in cartons. Details may be obtained on application.

**ALGERIAN SQUILLS.**—R. E. Pierre, 56 Faubourg St. Honoré, Paris, is offering a large consignment of Algerian squills for shipment. Particulars are given in our advertisement pages.

**MAZDA LAMP PRICE REDUCTION.**—The British Thomson-Houston Co., Ltd., Crown House, Aldwych, London, W.C.2, have reduced the price of the 150 and 200 w. Mazda lamps.

**ALMATA FOOD ANNOUNCEMENT.**—Keen, Robinson & Co., Ltd., 108 Cannon Street, London, E.C.4, inform us that Almata food is now being packed bearing an expiry date instead of a code mark. It is hoped that this new method of date-marking will be of assistance to the trade.

**BRITISH EMULSIFIERS.**—The hand emulsifying machines prepared by British Emulsifiers, Ltd., 93 Stanley Road, Teddington, are being exhibited at the Birmingham section of the British Industries Fair. They state that retail selling prices have been increased for their Empire and Jubilee cream makers.

**FOR SPRING ILLS.**—Warrick Bros., Ltd., Nile Street, London, advertise in this issue Stankap granules and capsules which have been introduced for the treatment of pimples, boils and styes. The capsules present a compound preparation of tin, and the granules are a combination of tin and sulphur. Show material is available and applications for samples are invited. The capsules are issued in tins of 24 and the granules in bottles.

**LAUGHING WATER.**—Constance Benn Laboratories, 24 Camberwell Grove, London, S.E.5, arranged a special display of their toilet preparations at the Park Lane Hotel, Piccadilly, London, W.1, on February 12. Details of these attractively packed and delightfully perfumed products were given in last week's *C. & D.* (p. 200). In addition to the display, demonstrations were given of their Laughing Water effervescent bath foam, which is available in the form of powder and tablets. The container for the foam and the dusting powder is of polished Canadian birchwood, the lid being made air-tight by a surround of coloured satin elastic ribbon. Each foam pack has a special spoon with which to measure out the powder into the bath. Each dusting powder contains a washable lambswool puff surmounted by a handsome ribbon bow.

The illustration below shows a new display stand to assist the sales of Nivea shaving cream, which is made by Beiersdorf, Ltd., Welwyn Garden City, Herts.



**NATIONAL SAVINGS.**—Attention is directed to the value of the National Savings Movement in works and offices and pointing out the advantages which the National Savings Committee can offer in organising such groups. Though many large business organisations have set up provident schemes, yet many employers who operate on a smaller scale find difficulty in carrying out similar obligations. It is especially in such cases that the assistance of the National Savings Committee may be invited.

In addition, there is also a National Savings Club scheme which has been specially designed to offer a basis of sound management for Christmas clubs, holiday clubs and the like. Full details may be obtained from National Savings Committee (Department Tr), London, S.W.1, and no postage stamp is required.

**DIGESTION TABLETS.**—Illustrated herewith is a new display stand issued for Moorland indigestion tablets, which are sold in cartons of 50 and tins of 110 tablets. The larger size is a new packing and contains a smaller tin intended for convenience in carrying a supply of these digestion aids in the vest pocket. Details of special introductory offer may be obtained on request from W. B. Cartwright, Ltd., Rawdon, Leeds.



**ZINC OXIDE.**—In view of the increased demand for zinc for ammunition purposes, it may be noted that the zinc oxide manufactured by H. E. Stevenson & Co., Ltd., 10 Pancras Lane, Queen Victoria Street, London, E.C.4, is made by direct combustion of the metal, which, it is stated, gives a much lighter and whiter oxide than is obtained from calamine. Messrs. Stevenson inform us that their zinc oxide has been on the market for over fifty years.

**PRICE REDUCTIONS.**—From March 1 reduced prices will be in operation for Pond's skin freshener. This reduction has been made in order to bring this particular preparation into line with other beauty products issued by Pond's Extract Co., Ltd., Wadsworth Road, Perivale. Full details are given elsewhere in this issue.—The Perfumery Marketing Co., 190 Piccadilly, London, W.1, inform us that substantial price reductions have been made in all Houbigant preparations. A new retail price list has been issued giving details, and copies of this list are obtainable on application to the company.

**OXIDATION-REDUCTION BALANCE.**—The British Drug Houses, Ltd., Graham Street, City Road, London, N.1, have sent us a copy of the second edition of their monograph on the colorimetric determination of oxidation-reduction balance. This edition provides a theoretical exposition of the subject, an explanation of the use of indicators and references to the employment of oxidation-reduction determinations in biochemical work, vitamin determinations, etc. Copies of this new edition may be obtained on application.

**POTTER'S ASTHMA CURE.**—Potter & Clarke, Ltd., 60-64 Artillery Lane, London, E.1, inform us that in connexion with Medical, Dental and Pharmacy Act 13 of 1928, the Union Health Department of Cape Town has decided that Potter's asthma cure, i.e., Potter's asthma powder and cigarettes, are to be classified as Division II and not Division I poisons. These two preparations may therefore be sold by a general or retail dealer to whom a certificate has been issued by a magistrate under Section 51 of the above Act, respecting the sale of preparations known as "patent," "proprietary" or "Dutch" medicines containing poison. They must be labelled "Poison" and "Vergif" in type more conspicuous than that of the remainder of the label, followed immediately by the words "Division II of the Fourth Schedule to Act 13 of 1928."

**INFORMATION ON EVANS.**—The 1937 list of Evans Sons Lescher & Webb, Ltd., 56 Hanover Street, Liverpool, relating to proprietary articles and druggists' sundries has just been issued. This list, which consists of 320 pages, is stoutly bound and profusely illustrated. From January 25, Novasorb is sold in bottles containing stated net weights instead of being supplied in bottles filled to fluid capacity. Prices remain unchanged, but the new sizes are bottles of 3½, 8, 16 oz. and 5 lbs. Ten per cent. discount is allowed to the medical profession and 33½ per cent. to pharmacists. A revised list of prices has also come into force with reference to Midgley's medisoaps. We are informed that the increases in prices are rendered necessary by the increased price of raw materials used in the manufacture of soap. Particulars of the change in prices may be obtained on application.



## Births

Notices for insertion in this column must be properly authenticated.

**EDWARDS.**—On February 12, Mary Totherick, wife of F. J. A. Edwards, M.P.S., Robb's Drift, Llandaff, Cardiff, of a daughter.

**LARDER.**—At the Alexandra Nursing Home, Lowestoft, on February 15, Lilian, the wife of Arthur Larder, M.P.S., 196 London Road South, Lowestoft, of a son (Peter Charles).

## Deaths

**BLAIN.**—At Thringston, Wellington Road North, Heaton Chapel, Stockport, on February 13, Mr. Alfred Lucas Blain, Ph.C., dearly loved husband of Mary Emily Blain, aged seventy-seven. Interred at the Manchester Southern Cemetery on February 17. Mr. Blain joined his father and brother in partnership in business at Bolton in 1885. Some years later he became associated with the retail business in Market Street, Manchester, then carried on by James Woolley, Sons & Co.; eventually he acquired and continued it with Mr. Hankinson as partner until his retirement.

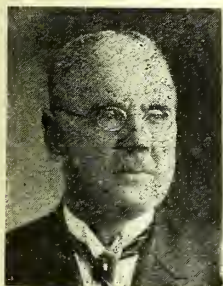
**HARWOOD.**—Recently, Mr. James Ormerod Harwood, chemist and druggist, Lake Road, Ambleside, aged fifty-four. Mr. Harwood took over the business of the late Mr. Thomas Bell in 1921. He is survived by a widow.

**McKELLAR.**—At a private nursing hospital, Waverley, Sydney, New South Wales, on December 24, 1936, Jessie M. C. McKellar, wife of Mr. Arthur McKellar, Ph.C., formerly of Glasgow, and at one time secretary of the Glasgow and West of Scotland Pharmaceutical Association, now of 47 Gardyne Street, Waverley.

**McMILLAN.**—At his residence, Bengairn, Caldercuilt Road, Glasgow, on February 15, Mr. Anthony McMillan, M.P.S., proprietor of William Simpson & Co., 317 and 565 Maryhill Road, Glasgow, aged seventy-two. Mr. McMillan, who was a native of Auchencairn, went to Messrs. Simpson & Co. in 1884, and acquired the business six years later. (Details of the history of this pharmacy were given in *THE CHEMIST AND DRUGGIST*, 1925, II, 28.) Mr. McMillan acted as secretary of the old Glasgow and West of Scotland Chemists' Association, of which he was also president for some years. When the Glasgow and South-Western Scotland Branch of the Pharmaceutical Society was formed he became the first chairman and later honorary president. He served for a lengthy

period on the North British Executive of the Society, acting as chairman for a term. He was a founder member of the Chemists' Friendly Society, and chairman of the Local Committee at the Glasgow meeting of the British Pharmaceutical Conference in 1925. Conscientious in the discharge of every duty, he paid particular attention to the training of the apprentices who passed through his hands, some of whom now occupy important positions. In his younger days Mr. McMillan was a keen cyclist, latterly finding pleasure in motoring. He was an enthusiastic gardener, and had a wide knowledge of literature. Mr. McMillan is survived by a widow and a daughter.

**READ.**—On February 7, suddenly, Mr. Robert Read, chemist and druggist, Thorne, Yorkshire. Mr. Read, who qualified in 1900, was popular with all who came in contact with him. He was a member of the West Riding Pharmaceutical Committee and a prominent Freemason. Thorne Parish Church was crowded at the funeral, and there were numerous floral tributes, including those from the Pharmaceutical Committee, Chamber of Trade, Parish Council, the United Drug Co., Ltd., and other wholesale houses. Chemists present included Mr. J. T. Appleton (West Riding Pharmaceutical Committee), Mr. N. Haigh (York), Mr. G. A. Clarke (Bleasdale, Ltd., York) and Mr. G. C. Crummack (United Drug Co., Ltd., and Yorkshire Rexall Club).



MR. A. McMILLAN

## Personalities

MR. L. R. BROWN has joined the representative staff of Solport Brothers, Ltd., London, E.C.1, and has been appointed assistant to Mr. H. E. Welton, who is well known on the Northern territory.

MR. J. BOWLAS, of the representative staff of Meggeson & Co., Ltd., London, S.E.16, is making slow but steady progress towards recovery from his illness. He asks us to convey his thanks to the many friends in the trade who have written to him, and to apologise for the fact that he has been unable to reply to them.

## Business Changes

G. J. MALEY, LTD., chemists, have opened new premises in Peel Road, Douglas, Isle of Man, to be known as the Mount Vernon Pharmacy.

MR. S. G. TYDEMAN, chemist and druggist, has been appointed managing director of Hodders, Ltd., chemists, of Bristol and district.

WELCH & HORNER, LTD., drug merchants and importers, 9-10 Jewry Street, London, E.C.3, announce that Mr. Charles Ball has been elected a director.

GEORGE COOK (shop fitter), 27 Macclesfield Street, City Road, London, E.C.1, removed to new premises at 174A St. John's Road, Hoxton, London, N.1, on February 15.

A. L. SIMPKIN & Co., LTD., Sheffield, have established a dépôt at 27 Old Wynd, Tringate, Glasgow, Telephone No.: Bell 130. A daily delivery service has been instituted. The supervisor in charge is Mr. L. Ward.

## Coming Events

This section is reserved for advanced notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

### Monday, February 22

*Pharmaceutical Society, Oxford and District Branch*, Randolph Hotel, Oxford, from 9 p.m. till 2 a.m. Dance. Tickets, 5s. 6d. single, 10s. 6d. double.

### Tuesday, February 23

*Guild of Public Pharmacists, Liverpool Branch*, Royal Institute, Colquitt Street, at 8 p.m. Dr. R. F. Corran on "Recent Advances in Therapeutics."

*National Pharmaceutical Union, Manchester, Salford and District Branch*, Victoria Hotel, Deansgate, Manchester, at 8.30 p.m. Annual general meeting.

*Cardiff and District Chemists' Association and Branch*, Park Hotel, Cardiff, at 8.30 p.m. Annual meeting.

### Wednesday, February 24

*Liverpool Chemists' Association and Branch*, Adelphi Hotel, Liverpool, annual dinner and dance. Dinner, 7 p.m. Dancing, 9.15 p.m. to 2 a.m. Tickets, 12s. 6d. and (dance only) 5s. 6d.

*Thames Valley Pharmacists' Association*, Truscott Restaurant, 32 Oxford Street, London, W.1. Dinner and dance.

*Pharmaceutical Society, Bournemouth and District Branch*, Pavilion Bournemouth. Annual dinner and dance.

*Pharmaceutical Society, Leeds and District Branch*, Victory Hotel, Briggate. "Victory" dance. Tickets, 5s. 6d. each.

### Thursday, February 25

*Manchester Pharmocetical Association, Junior Branch*, Deansgate Cinema Café, Manchester, at 8.30 p.m. Whist drive. Tickets, 2s. each.


*Photographic Dealers' Association, Birmingham and District Branch*, Imperial Hotel (Temple Room), Temple Street, at 8.30 p.m. Mr. Frank R. Newens, F.R.P.S., on "How to Get It in Colour." (Illustrated.)

### Friday, February 26

*St. Vincent Association*, "Old Cheshire Cheese," Fleet Street, London, E.C.4, at 6.30 p.m. House dinner. Mr. Hector Hughes, K.C., and Dr. F. W. Crossley-Holland, barrister-at-law, on "Some Legal Aspects of Medical Representation."



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## Information Department

### INFORMATION WANTED

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

- |                               |                                       |
|-------------------------------|---------------------------------------|
| T/15. David brand mate tea    | M/15. Roydex for the hands            |
| W/12. Geeson Blue             | M/15. Speedwell corn pads             |
| P/15. Good Health grape juice | W/16. Whitehall's surgical appliances |



# THE CHEMIST AND DRUGGIST

VOL. CXXVI.

February 20, 1937

NO. 2976

## "Veterinary Counter Practice"

THIS week we have pleasure in announcing the appearance of the ninth edition of "Veterinary Counter Practice," and visitors to THE CHEMIST AND DRUGGIST stand at the British Industries Fair have had an opportunity of inspecting this work. At a time in the history of pharmacy when chemists are forced to use their specialised knowledge in seeking new methods of trading, it is refreshing to be able to place on record that supplying of animal medicines is in many districts increasingly flourishing despite the advances in

the treatment of animal diseases by injection methods.

"Veterinary Counter Practice" has been of inestimable value in the past to chemists who carry on a business of this character. It is certain that this revised edition of the book will maintain its popularity. So far as we are aware, there is no other work available for the dispensing chemist who specialises in veterinary remedies.

Detailed descriptions and methods of treatment given are those laid down by leading authorities, and the formulas included are those which have been decided and proved of value in actual veterinary practice. A new feature of the book is seen in the illustrations which have been drawn by an expert anatomical artist and, as such, give an adequate indication of the anatomy and diseases of the various animals, so far as is required by the average veterinary chemist. Legal matters appertaining to veterinary practice are also included and brought up to date. A list of official publications issued by the Ministry of Agriculture will be of service to those who wish to add to their knowledge on particular subjects. This book should be of special value in agricultural areas where poultry farming and turkey rearing are outstanding industries. It may be noted with interest that an entirely new chapter in the treatment of blackhead in turkeys, one of the most devastating diseases which turkey rearers have to face, is included. The posological table has been thoroughly revised. The general public have a greater interest in animals now than ever before. The number of dog-lovers in the country is a considerable one, and the breeding and rearing of dogs are industries of no small importance. The same statement may with equal truth be applied to cats. A great fillip has been given to the increasing interest in small animals, thanks

to the numerous shows which are held in all parts of the country; and chemists who have an intimate knowledge of feeding and medication are bound to add considerably to their turnover and not a little to their prestige. "Veterinary Counter Practice" is confidently recommended as a practical handbook, and, it is hoped, one which will prove of considerable importance to the trade.

## The Year's Good Start

THE buoyant markets reported in our Trade Reports throughout January are well reflected in the excellent returns in the Trade and Navigation Accounts for the first month of the year. The totals are the highest since 1930. The grand aggregate for the month is up by nearly £5,600,000, with imports increased by 8 per cent., exports by 13.4 per cent. and re-exports by 17.5 per cent., compared with the totals of January, 1935. The debit trade balance for the month was £31,403,981, which is nearly £230,000 in excess of the adverse balance in the first month of 1936.

All Classes of Merchandise	Imports	Exports of U.K. Goods	Total Exports, including Re-exports
January, 1937 ...	£ 75,580,736	£ 39,100,726	£ 44,176,755
" 1936 ...	69,953,782	34,459,583	38,779,677
" 1935 ...	61,916,364	35,481,098	40,515,070

The volume of our trade in "Chemicals, Drugs, etc." for the month was the best recorded for some fifteen years with a total value of £2,987,173 compared with £2,758,998 in January, 1936. Imports increased by £115,173 and exports and re-exports by no less than £223,002. These satisfactory figures give us a credit balance for the month of £762,453, compared with £744,624 in the corresponding month of 1936.

Chemicals, Drugs, Dyes and Colours	January		
	1937	1936	1935
Imports ... ..	£ 1,112,360	£ 1,007,187	£ 902,139
Exports of U.K. goods ...	1,831,364	1,725,010	1,877,556
Re-exports ... ..	43,449	26,801	31,671

The chief Empire sources of supply of this class of goods were Canada, £55,691 (£29,469 in January, 1936); South Africa, £23,722, and India, £17,771. Imports from foreign countries were: Germany, £318,876; United States of America, £205,102; Argentina, £91,112 (£31,000 in 1936 and £11,800 in 1935); France, £55,015 (£71,628 in 1936); Switzerland, £54,763, and Belgium, £44,833. Arrivals from Italy totalled £10,904, compared with £1,721 in January, 1936, and Spanish imports totalled £21,680 against £13,942. The chief destinations of our shipments were: India, £220,879; Australia, £138,706; South Africa, £130,539; New Zealand, £91,004; Irish Free State, £87,059, and Canada, £63,060. United States of America, £109,006 (£60,700 in 1935); Argentina, £64,570; France, £56,220; Japan, £55,357; China, £50,998 (£35,900 in 1935), and Sweden, £43,765. Our exports to Italy reached only £1,358, while Spanish purchases amounted to £17,391.



# Pharmaceutical Society of Ireland

## Council Meeting

THE February meeting of the Council of the Pharmaceutical Society of Ireland was held on February 9 at 67 Lower Mount Street, Dublin, Mr. J. A. O'Rourke (president) in the chair. Other members of the Council present were Messrs. B. P. Hickey, F. J. Fitzpatrick, P. C. Cahill, C. Cremen, D. W. P. Boyd, J. T. Dwyer, J. Gleeson, M. J. Kieran, Dr. J. A. Mitchell, Messrs. W. J. McKnight, M. J. Parkes, Sir Thomas Robinson, Messrs. J. V. McKeever, D. Warwick and J. K. Whelehan. Apologies for inability to attend were received from Mr. J. F. Costello, Mr. P. Brooke Kelly, and Mr. P. J. Fielding.

### DEATHS

At the outset of the proceedings THE PRESIDENT said it was his sad duty to propose that the Council express its deepest sympathy with the relatives of the late Mr. T. M. Costelloe and with the relatives of the late Mrs. Ferrall, widow of Mr. Arthur J. Ferrall.

DR. MITCHELL seconded the motion, which was passed in silence, all members standing.

### CORRESPONDENCE

Greetings were received from the members and registrar, Pharmacy Board of New South Wales, the Pharmacy Board of Victoria, and the Pharmaceutical Council of Western Australia.

Mr. John J. Gaynor, legal adviser, wrote reporting on the recent prosecution against Mr. Stephen Keane, R.D., Kilkenny.

The Secretary to the Minister for Justice wrote: "With reference to previous correspondence regarding the regulations for the Preliminary examination I am directed by the Minister for Justice to return herewith copy of the resolution of the Council amending the Regulations with the Minister's approval endorsed thereon."

THE REGISTRAR (Mr. J. J. Kerr) mentioned that he had received some sixty inquiries from teachers of schools, and had sent out copies of the amended Regulations.

### REGISTRATION ITEMS

The following, who submitted Matriculation certificates, were granted Preliminary registration: Misses E. C. Larkin, B. F. Martin, and Mr. G. C. Walshe.

The following changes of address were notified: Mr. J. J. Smith, M.P.S.I., from 1A Capel Street to 197 Tyrconnell Road, Inchicore, Dublin; Miss B. A. Traynor, L.P.S.I., from Sercock, co. Cavan, to Lower Bridge Street, Belturbet, co. Cavan; Mr. R. A. Caldwell, L.P.S.I., from Tubbercurry, co. Sligo, to c/o Messrs. O'Malley, Ltd., Mohill, co. Leitrim; Mr. P. S. Lalor, L.P.S.I., from 108 Upper Drumcondra Road, Whitehall, Dublin, to 149 Lower Drumcondra Road, Dublin; Mr. J. G. O'Neill, L.P.S.I., from Belmore House, Killeen, Newry, to 108 Upper Drumcondra Road, Dublin; Mr. H. W. A. Sheridan, L.P.S.I., from 6 Wine Street, to c/o Mrs. Bourke, Doonally House, Sligo; Mr. A. B. Smith, L.P.S.I., from 47 Serpentine Avenue, Ballsbridge, to 50 Farney Park, Sandymount, Dublin; Mr. H. T. Smyth, L.P.S.I., from Fairbank, Beechwood Avenue, Derry, to 33 High Street, Thatcham, Berks; Mr. W. T. Turner, L.P.S.I., from 17 Main Street, Carrick-on-Suir, to 8 Henley Park, Churchtown.

### REPORTS FROM COMMITTEES

The reports of the House, Law, Certificates and Declarations and Benevolent Committees were submitted and approved.

### REPORTS FROM EXAMINERS

The reports of the examiners for the recent Licence, Assistant and Registered Druggist examinations were submitted. Two candidates presented themselves for the Registered Druggist examination, one of whom, Mr. John J. Murtagh, Arva, co. Cavan, was successful.

### DEATHS REPORTED

The registrar reported on the deaths of Messrs. James Burke, M.P.S.I.; T. Costelloe, M.P.S.I.; J. P. Dowling, M.P.S.I.; R. W. McKnight, L.P.S.I.; M. F. McBride, Asst.;

C. J. O'Halloran, Asst.; J. Mulloy, chemist and druggist; E. Brady, R.D.; and V. Carney, R.D.

### ASSISTANT'S EXAMINATION

On the proposition of THE PRESIDENT, seconded by MR. HICKEY, the following motions were adopted: "That in future two official examiners be appointed to the Assistant's examination." "That the time of the practical pharmacy portion of the Assistant's examination be extended to two hours."

### ELECTIONS AND NOMINATIONS

Miss J. Lawson and Mr. J. B. O'Reilly were elected members of the Society.

The following were nominated for membership of the Society: Miss B. A. Traynor, Lower Bridge Street, Belturbet, co. Cavan; Messrs. W. B. Curry, 7 O'Connell Street, Clonmel; J. G. O'Neill, 108 Upper Drumcondra Road, Dublin; B. O'Sullivan, Howard's Medical Hall, Kanturk, co. Cork; J. C. Walshe, 92 Upper Drumcondra Road, Dublin.

### LICENCES SEALED

The pharmaceutical licences of the following were signed and sealed: Patrick Joseph Hogan, Thomas Bart Hopkins, Elizabeth Mary Troy, William Vincent Carvill, Eileen Fox, Francis Hennelly, Harry Isidore Wagner, Thomas Peter Paul Walsh.

## Recent Wills

MR. J. HARCOTTE CUFF, Hythe, Kent, chemist and optician, left £7,447 gross.

MR. WILLIAM ROBERTSON POLLOCK, chemist, formerly of Alexandra, Dumbartonshire, thereafter of Massachusetts, U.S.A., left £1,120.

MR. THOMAS DAVIES, 7 Guildhall Square, Carmarthen, chemist and druggist, who died on October 21 last, left estate gross value £3,660, with net personalty *nil*.

MR. ALFRED MANDER, Belle Vue House, Great Malvern, pharmaceutical chemist, who died on December 28 last, left estate gross value £10,067, with net personalty £9,416.

MR. ERNEST MORGAN MORRIS, The Pharmacy, Brynamman, Carmarthen, chemist and druggist, who died on May 3 last, left estate gross value £3,229, with net personalty £2,808.

MR. ALFRED FRAYN, 25 Salisbury Terrace, Stoke, Devonport, Plymouth, chemist and druggist, who died on October 13 last, left estate gross value £3,190, with net personalty £2,364.

MR. JOSEPH FLEMONS, Tecwyn, 46 Priory Road, Dunstable, Beds, pharmacist, who died on December 3 last, aged eighty-four, left estate gross value £2,077, with net personalty £1,477.

MR. HUBERT GEORGE TOY, Birchfield, West Bank Avenue, Derby, chemist and druggist, who died on August 25 last, aged sixty-four, left estate gross value £23,380, with net personalty £18,213.

MR. CHARLES BING, The Old Rectory, 5 St. George's Street, Canterbury, chemist, who died on November 21 last, aged seventy-five, left estate gross value £27,191, with net personalty £15,720.

MR. RALPH HALL, Bloomsbury Square, London, W.C., pharmacist, who died on December 17 last, left property gross value £13,605, with net personalty £13,523. He left, *inter alia*, £200 to the Pharmaceutical Society.

MR. JAMES STANLEY SNELL, J.P., M.P.S., Fernroyd, Hollins Lane, Accrington, Lancs, a director and co-founder of J. M. Fairbairn, Ltd., wholesale chemists, Blackburn, for many years a member of the Town Council and a former Mayor, who died on January 3 last, aged fifty-four, left estate gross value £13,275, with net personalty £12,333.



# "Fair Wear and Tear"

By a Barrister

A JUDGMENT of considerable importance as to the meaning of "fair wear and tear" clauses in leases has recently been given by the Court of Appeal in *Taylor v. Webb* (see "The Times," February 6, 1937). As a result of this decision, it may be said that the law previously obtaining on this matter has been considerably modified, if not entirely reversed.

The insertion of a fair wear and tear clause in a repairing covenant, whether by lessor or lessee, is not unusual, and it is quite clear that the repairing obligation is thereby cut down, and that some meaning and effect must be given to the clause. There have been various authorities as to the construction of the clause, and prior to *Taylor v. Webb*, the leading case was the decision of a Divisional Court in *Haskell v. Murlow* (1928, 2 K.B., 89). In this case a dwelling-house with ground was devised to the testator's widow on the terms that she should keep the same in good repair and condition, "reasonable wear and tear excepted." The premises were in a good state of repair when the widow entered into possession, but during the forty-two years of her occupation, although she had done nothing actively to injure the premises, she had done nothing substantially to counteract the natural process of decay. According to the report made by the official referee: "From the point of view of internal decorations and the outhouses, the premises had been very badly kept and were in places almost ruinous. The glass-houses had largely collapsed, the bridge had disappeared and the summer houses were a wreck." The Court held that these dilapidations did not come within the protection of the wear and tear clause and that the widow's executors were liable. The grounds for this decision were thus stated.

Salter, J., in his judgment, said: "Such words as 'fair' and 'reasonable' qualify both the destructive agencies which do the damage and also the dilapidations which they bring about. Such words can be used no doubt to qualify human user, but they could not be used to qualify forces of nature. It would be impossible to speak of 'unfair rain' or 'unreasonable frost.' To bring dilapidations within the protection of such an exception as that in this case I think that two things must be shown. First that the dilapidations for which exemption is claimed were caused by normal human use or by the normal action of the elements, and secondly that they are reasonable in amount having regard to the terms of the contract to repair the premises and keep them in good condition and the other circumstances of the case." It may be noted in passing, as will presently be seen from his judgment in *Taylor v. Webb*, that the Court of Appeal in the latter case, while accepting the first of the requirements above mentioned, declined to accede to the second, which they accordingly regarded as immaterial.

## The Previous Judgment

To refer now to the judgment of Talbot, J., in *Haskell v. Murlow*. "Reasonable wear and tear," said the learned judge, "means the reasonable use of the house by the tenant and the ordinary operation of natural forces. The exception of want of repair due to wear and tear must be construed as limited to what is directly due to wear and tear, reasonable conduct on the part of the tenant being assumed. It does not mean that if there is a defect originally proceeding from reasonable wear and tear the tenant is released from his obligation to keep in good repair and condition everything which it may be possible to trace ultimately to the defect. He is bound to do such repairs as may be required to prevent the consequences flowing originally from wear and tear from producing results which wear and tear would not directly produce." And the learned judge illustrated these propositions by the following example:—

"For example," he said, "if a tile falls off the roof the tenant is not liable for the immediate consequences; but if he does nothing and in the result more and more water gets in and the roof and wall decay, and ultimately the top floor or the whole house becomes uninhabitable, he cannot say that it is due to reasonable wear and tear, and that there-

fore he is not liable under his obligation to keep the house in good repair and condition. In such a case the want of repair is not in truth caused by wear and tear. On the other hand, take the gradual wearing away of a stone floor or staircase by ordinary use. This may in time produce a considerable defect in condition, but the whole of the defect is caused by reasonable wear and tear and the tenant is not liable in respect of it."

## The Present Judgment

But the Court of Appeal in *Taylor v. Webb* considered that the wear and tear clause could not be cut down in the manner suggested in the above passage from Mr. Justice Talbot's judgment. In their view once it could be shown that the original dilapidation was caused directly by wear and tear, there was no obligation to prevent the consequences flowing originally from wear and tear from producing others which wear and tear would not produce. Referring now to the judgment of Slesser, L.J., in *Taylor v. Webb*, the learned Lord Justice, in dealing with the principles laid down by Salter, J., in *Haskell v. Murlow*, disagreed with the suggestion that the amount of dilapidation could in itself make wear and tear, which otherwise would be reasonable or fair, unreasonable or unfair. And referring to the judgment of Talbot, J., in *Haskell v. Murlow*, the learned Lord Justice could not agree with the principle there put forward that the person who had entered into a repairing covenant subject to a wear and tear clause was notwithstanding under any obligation to prevent the consequences flowing originally from wear and tear from producing others which wear and tear would not directly produce. If we may sum up, the propositions to be deduced are:—

(1) Wear and tear arises either from the operation of natural forces (e.g., air, rain, etc.), or through the result, direct or indirect, of human agency, and the meaning to be attached to the expression "fair" or "reasonable" might vary accordingly.

(2) A wear and tear clause will cover dilapidations caused by normal human user or by the normal action of the elements.

(3) Provided the original dilapidation has been directly caused by normal human user or the normal action of the elements, dilapidations supervening as the result of such "wear and tear" dilapidations will equally be covered by the wear and tear clause.

(4) It follows accordingly, that the extent of the dilapidations or other remoteness from the original "wear and tear" dilapidations cannot affect the position, and they equally will be covered by the clause.

## Storage of Grey Powder

In the "Quarterly Journal of Pharmacy and Pharmacology" (9, 4, 684) I. Roberts gives details of an investigation into the changes that take place on storing grey powder. The monograph, which occupies nine pages and includes eight tables, ends with the following summary of results obtained:—

The grey powder of the British Pharmacopœia is gradually oxidised during storage and the rate of oxidation is not affected by light or air, although loss of mercury by volatilisation will occur unless the container is air-tight. Rise of temperature will accelerate both oxidation and volatilisation, and therefore storage in a cool place is advisable.

The amount of mercuric oxide in grey powder may be determined by a modification of the British Pharmacopœia method of assay for mercuric chloride. . . .

The addition of 1 per cent. of dextrose to grey powder is sufficient to retard oxidation considerably, and is recommended.

The presence of dextrose and other sugars in grey powder, especially in large proportions, affects the preparation of pills and tablets from the powder. . . .



# Non-Specific Skin Inflammation

**A**N address delivered at Sheffield recently by Professor Arthur Whitfield, M.D., was published in "The Medical Press and Circular" under the title "On the Principles of Treatment of Non-Specific Inflammation of the Skin." After an indication of the scope of his subject, Professor Whitfield discussed the action of various kinds of water, and proceeded to informative comments on powders, lotions and other means of applying medicaments. The following is an abstract:—

## Waters

Does ordinary soft water damage the skin? At first sight one would, the author believes, answer in the negative, but this, he thinks, not absolutely accurate. Soak the hands for, say, fifteen minutes continuously in water at blood heat and observe the result. The surface will appear white and sodden, and although recovery takes place in a very short time, it is clear that a temporary upset has been caused. This upset is in his opinion the result of absorption of water by the horny cells, which, though to a large extent waterproofed by their fatty content, are not wholly impervious. As we know, animal and vegetable fats will in most, if not in all, cases allow of the absorption of a small proportion of water, thus differing from the paraffins which absorb almost none.

If the water is hard, i.e., contains dissolved calcium or magnesium bicarbonate, a further action will take place, namely, the decomposition of some of the epidermic fat to form calcium or magnesium salts of the fatty acids. Thereby the skin is deprived of fat and loses some of its softness and elasticity. This may explain the fact that even without soap hard water is more damaging to the skin than soft.

When soap is dissolved in distilled water a dissociation occurs with the formation of sodium hydrate or carbonate and fatty acid. Very little harm is done to the average skin by the use of such a solution, first, because the necessary emulsifying action requires very little soap and, secondly, because the fatty acid is always present, tending to antagonise the action of the alkali.

In the case of soap and hard water, the reaction is profoundly altered. We know that this is much more injurious, and we know that much more soap is required to make a lather, but it is not really the strength of the soap solution that does the damage. It is a law of chemistry that where two bases are in the presence of an acid, and of the two salts that may result one is soluble and the other insoluble, the insoluble will be formed almost exclusively until the base taking part in it is exhausted, although the base forming the soluble salt may be chemically the more active. The reason for this is that the insoluble salt is precipitated as it is formed, and is out of action as regards further ionisation. Therefore if we mix a solution of calcium bicarbonate with one of sodium oleate we get almost the whole of the calcium combining with the oleic acid and precipitating, and no lather will be formed until this process is complete. But meanwhile what has happened to the sodium of the soap? It has been deprived of its oleic acid by the calcium and remains in solution as a mixture of sodium carbonate and bicarbonate. That is, we are now using a solution of soap, water and soda, which is of course much more injurious to the skin than soap and water alone.

Now let us consider the state of affairs when the horny layer is broken and the deeper cells are deprived in places of their waterproof covering. Empirically it has been long known that water is noxious to the inflamed skin. Now water is grossly hypotonic compared with the body fluids, and many years ago the author suggested that this was the reason for its harmfulness. If the fatty horny layer is lost, or if the horny layer is deficient in fat, as it is in inflamed conditions, this effect is more marked and the tissues become cedematous as the result. The remedy is obvious, namely, to render the water roughly isotonic. Actually, the author finds that very slight hypertonicity is best. Dissolve one pound of common salt in each ten gallons of water, i.e., make a 1 per cent. solution, and almost all inflamed patients may bathe in it with impunity. The temperature of such a bath should be a little below blood heat, and he finds that the range between 90° and 95° F. is soothing. Those at the seaside may use one part of sea water and two parts of fresh, and he is under the impression that this

is slightly superior to the simple sodium chloride solution. Soap of any kind must be forbidden, as it is a violent irritant to living tissue.

In the simply inflamed skin due to exposure to an irritant, the first degree is a hot redness. To hasten the disappearance of this it is obvious that chilling is the best method of restoring comfort and assisting in recovery. Presuming that the horny layer is intact, we may use plain water for this, but it must be allowed to evaporate freely. The cooling action may be increased by adding alcohol, which has also some effect in counteracting any tendency of the lotion to cause surface oedema, but remember that a lotion must be wet, i.e., it must be either very frequently or continuously applied, and evaporation must be free. Continuous evaporation may be secured by placing a piece of lint over the part and suspending above it a basin containing the lotion, which is syphoned on to the lint by means of a gauze wick descending from the basin to the lint covering the part. The rate of syphonage may be varied at will by varying the thickness of the wick. This is, of course, a very exacting method as it necessitates immobilising the patient, and therefore frequent dabbing of the part is more often practised.

## Powders

A second well-known method of cooling is by the application of a powder. Now why does a powder cause a sensation of coolness? There are two ways in which it acts. Microscopically all powders consist, of course, of a series of points or scales. Dropped upon the nearly flat surface of the skin these increase the loss of heat by radiation as do the fins of the radiator of a motor car.

The second way in which they act is as follows: Normally the sweat runs along the duct to the funnel-shaped opening on the surface, where it gathers in a microscopic pool, which evaporates slowly. If one drops on the skin an absorbent powder such as French chalk, these little pools are blotted up and spread over the skin and evaporation is hastened. This action is analogous to that we have all employed to dry our tennis courts after a shower. By passing the roller over the court the globules of water are spread out and the lawn dries far more rapidly. The author points out that this second action, though much the more powerful, is often entirely absent in the case of inflammation of the skin, since one of the earliest effects of this is to cause suspension of the sweat secretion.

Seeing that chilling can be achieved by these two methods, it is hardly surprising that they should have been combined in the lotion containing powder, so that the powerful immediate effect of the evaporating lotion may be followed by the mildly persistent one of the powder, and this latter will last until the lotion is reapplied. We see then that the expert will probably choose a lotion with or without powder in the early erythematous and unbroken vesicular stage of inflammation of the skin. When the vesicles have broken and discharge is taking place, the position is somewhat altered, but not so materially that we must not continue with the lotion.

The condition of the papillary body and deeper layers of the epidermis is one of intense oedema, and the extravasated fluid must be got rid of before the skin can return to normal. Some of it may be absorbed slowly by the lymphatics when the height of the reaction is passed, but it will hasten matters if the already extravasated fluid is allowed to drain away quickly while the supply is being cut off by the recovery of the vessels, and this will be aided if drying and crusting of the already extravasated fluid be prevented. A lotion is good treatment therefore in this stage. There is a further reason for stopping crust formation. So long as the discharge is unimpeded pyogenic infection is practically absent, partly owing to the mechanical effect of the washing from within outwards, but, he thinks, more to the anti-bacterial action of the exuding fluid. When the exuding fluid is dammed back by a crust it stagnates and rapidly loses its anti-bacterial activity, and the result is growth of the common staphylococci of the skin in the stagnant fluid and the formation of pus beneath the crust. Since the addition of any large amount of powder is apt to increase the tendency to crust formation it is occasionally harmful.

It is habitual to speak of "indifferent" powders, and to include under that term French chalk, kaolin, bismuth oxy-



chloride, carbonate, etc., and zinc oxide; but is this really correct? The author agrees that French chalk and kaolin are wholly indifferent powders and that the commonly used bismuth salts are almost wholly so, but maintains that zinc oxide is by no means an indifferent powder. How often does one meet with patients who say that they find calamine lotion or simple zinc oxide powder too "drying." The reason for this is, he thinks, that the skin is always moist, of course obviously so in exudative dermatitis, and is also invariably coated with sodium chloride. When zinc oxide is applied there is formed by mass reaction a minute amount of zinc chloride, which as we all know is a very caustic salt. This minimal caustic reaction is what constitutes the "drying" effect. It may be often exactly what we require, but nevertheless it should exclude zinc oxide from the list of indifferent powders. With bismuth the position is different, as any salt formed will be practically insoluble, and in any case without irritating quality.

The time-honoured calamine lotion seems to suit the vast majority of cases in the acute erythematous and oedematous stages, but in those in which it is not well borne it is worth while to consider whether one may not do better by using a really indifferent powder such as kaolin or French chalk. In any case, as the oedema subsides and a fresh horny layer begins to form we are likely to be met by the difficulty that there is a tendency to fissure.

### Greases

A knowledge of the physical properties of greases is useful here, since some will take up a considerable quantity of water and others practically none at all. Of those in common pharmaceutical use, the order in which they will absorb water is roughly as follows:—

- (1) *Wool fat*.—Highly absorbent but very sticky.
- (2) *Spermaceti*.—Rather less absorbent, high melting point and tough consistency, goes rancid rather readily.
- (3) *Beeswax*.—Absorbs somewhat similarly to spermaceti, very high melting point, goes rancid, but not so readily as spermaceti.
- (4) *Linseed oil, olive oil, almond oil and sesame oil*.—All absorb water in small percentage, all of low melting point, liquid at room temperature, all go rancid somewhat easily. Contrary to what is stated in some books, the author is of opinion that almond oil goes rancid very easily, olive oil less so, and linseed oil and sesame oil still less.
- (5) *The paraffins—liquid, soft and hard*.—These never go rancid, but they absorb practically no water. The disadvantages possessed by these various greases may be largely overcome by employing a mixture, since any one is miscible with one or all of the others.

Working upon the principle introduced by older preparations, newer ones have been devised, sometimes mistakenly. Take, for instance, the very generally used preparation known as Lassar's paste. This was really planned on a misconception. The paste was originally made by incorporating one part of zinc oxide and one part of starch with two parts of soft paraffin. It was thought that the addition of the powders would so "break" the grease that absorption of fluid would occur. This has been proved to be erroneous, but the error can be corrected by the substitution of a small proportion of wool fat (one-eighth will serve) for part of the paraffin. It will then form an absorbent paste, though it will have no initial cooling action as it contains no water.

Another application widely used is that in which olive oil is added to calamine lotion. Much separation of the oil and water occurs when it is fresh. After keeping for a time this becomes less marked, as the oleate of zinc formed tends to maintain an emulsion. A far better preparation, in the author's opinion, is that introduced by Malcolm Morris. The following formula is a slight modification of the original:—

Ol. olivæ	...	...	...	...	...	3ss.
Adipis lanæ anhydros.	...	...	...	...	...	5j.
Pulv. zinci oxidi	...	...	...	...	...	3ss.
Aq. calcis	...	...	...	...	...	5iij.

On keeping it develops calcium oleate, and this, which is formed rather rapidly upon the skin, makes it extremely adherent. The cream will bear the addition of a variety of drugs, such as resorcin, ichthyol, tar or calomel, though the last darkens slowly owing to the formation of black oxide of mercury. Menthol or camphor may also be added, but not salicylic acid, as this causes the water to separate.

### Pyogenic Infection

The author turns to cases in which low-grade pyogenic infection is a pronounced feature. In dealing with these we must bear in mind that the causative organisms lie habitually upon the skin though not in a condition of active growth. To stamp them out is therefore an unattainable ideal, and in the effort to do so the skin may be damaged and matters made worse. The author believes it to be true that no one has ever sterilised skin infected by the common pyogenic organisms by the application of antiseptics; but that the skin will do it itself if placed under favourable circumstances. Luckily there is a great difference between bacteriostatic and bactericidal action. We can therefore use our antiseptic in a very weak dilution which will inhibit the growth of the offending organisms without doing much damage to the skin. In his experience the best of all antiseptics for the skin is silver nitrate, and were it not for its strongly staining properties it would be used much more often than it is. It may be used in a strength of  $\frac{1}{2}$  to 10 per cent., though he practically never goes beyond 2 per cent. According to the sensitiveness of the skin, it may be dissolved in  $12\frac{1}{2}$  per cent. to 25 per cent. alcohol. The silver nitrate seems to have a sedative action, and is powerfully antipruritic. For clearing away surface infection its action is almost miraculous. Another favourite is calomel, which can be used in a powder made up with French chalk, in a lotion with kaolin or in a cream as given already.

It has been long known to many, though special stress has been laid on it lately, that when infection occurs the flora of the skin becomes altered. Thus in a patient with furunculosis, culture from the apparently sound skin will yield a far more orange staphylococcus than that usually obtained from the skin of a healthy patient. This condition is liable to cause the eruption of further boils. For some years the author has been using zinc sulphate baths. He prescribes a 4-oz. packet of the salt and recommends that it be dissolved in a jugful of boiling water, to ensure complete solution, and added to the bath. The patient lies in this for ten minutes, without soap, of course, and is then dried gently. A bath to cover the patient usually contains from twenty to forty gallons.

Medicated plasters are sometimes useful things in the case of hypertrophic infiltration where one wishes for a deep action, but the objection to their use is that they are very expensive where one wishes for a special medicament. This can be met by using plain zinc strapping and applying it over a film of the desired drug. Where this is soluble in water, spirit or acetone, a solution may be simply painted on and allowed to dry. If it is not soluble (e.g., mercury), it may be diluted suitably with French chalk and spread over the surface. The part is then simply roofed over with the ordinary zinc strapping.

Since x-rays do good in almost every case of skin disease, they offer a temptation to omit thorough examination of the patient. A further objection is that they are so free from trouble to the patient and so efficient, temporarily it is true, in subduing the more annoying symptoms that patients having been treated by them once are apt to put undue pressure on the doctor to use them again. All sites of exposure should be charted and the number of exposures, quality, and total dosage given to each part noted. At the conclusion of the course the patient should be given a copy of this memorandum.

In his concluding paragraph Professor Whitfield refers to treatment by auto-hæmotherapy, the withdrawal of blood (from 1 c.c. to 10 c.c.) from a vein and its immediate injection into a muscle. The dose should be repeated about once a week. In suitable cases the results are surprisingly good. A test for indicating the probability of good results is given.

**LAUGHTER IN COURT.**—An analytical chemist, who was a witness [in a recent King's Bench Division case] said: If you really want to examine a particular smell so as to identify it you must have a chemist's nose.

Mr. Justice Charles: Have you a chemist's nose?—I have.

Mr. Justice Charles: Is it the one you have with you? (Laughter.) Do you mean that the smell which the uninitiated nose smells is different from the smell which your nose smells? (Laughter.)

The chemist said undoubtedly it was. With three or four smells the layman caught only the combined effect. (Laughter.) He himself could distinguish a single smell; he could separate them. The nose of somebody who was with him at an inspection became "tired" and it had to be refreshed in the open air.—"The Morning Post."



## Insurance Act Dispensing

Record of matters concerning Chemists' interests in the National Health Insurance Acts.

### ENGLAND AND WALES

**Huntingdonshire.**—As the result of a test prescription, a chemist who attended before the subcommittee stated that the mixture had been dispensed on the assumption that it was to be made up under the private formulary of the doctor issuing it, and added that the prescription did not quote the letters "N.F." The subcommittee pointed out that in the case of one ingredient there was a deficiency, according to the analysis, of 17.1 per cent., and the chemist suggested that the only way in which he could account for this was that he must have inadvertently placed wrong weights on the scales, and that he had to weigh the ingredient in two portions. The subcommittee recommended that no action be taken in view of complications arising from the ambiguity of the prescription. A member then proposed as an amendment that the chemist should be censured, and this was agreed to. It was recommended that the use of private formularies by doctors in the area be forthwith discontinued.

**Portsmouth.**—Three cases of inaccurate dispensing which had been referred to the Pharmaceutical Service Subcommittee came before the Insurance Committee. One showed a deficiency of about 25 per cent. of liq. ferri perchlor. in mist. ferri perchlor., N.F. The chemist was unable to explain how the deficiency arose; the mixture was dispensed by an assistant who has since ceased to be employed. In the second case the analyst found a deficiency of 16½ per cent. of mag. sulph. in mist. alb., N.F. The explanation offered was that in transferring the mag. sulph. from balance to bottle some was spilled; the chemist admitted that, being busy at the time, he did not redispense the mixture. Fines of £1 in each of these cases were recommended. The third case arose out of a prescription for lotio plumbi conc., N.F. The Committee's analyst estimated an excess of 12.8 per cent. of liq. plumbi subacet. fort. It was explained that Portsmouth water is very hard (sixteen degrees) and that distilled water is not ordered in this lotion, thus causing a considerable precipitation. The chemist urged that it was a border-line case. The Pharmaceutical Committee are asking chemists to express their views on establishing a rota for Sunday evenings under the Shops (Sunday Trading Restriction) Act.

**Smethwick.**—The number of tests of drugs and appliances to be taken annually in the Committee's area has been determined by the Minister as twelve of drugs and three of appliances as from January 1, 1937, compared with ten and three respectively, previously. The Pharmaceutical Service Subcommittee, reporting on a test sample of jaconet, found 11 per cent. below minimum weight specified in the B.P.C., its base cloth 17 per cent. deficient, and the average number of warp threads eighty per inch instead of 104. The chemist concerned stated that in ordering appliances he stipulated B.P.C. quality. He was unable to produce any evidence of this, as he stated that he destroyed all his invoices after the expiration of twelve months, and the jaconet from which he supplied the sample was purchased not later than 1935. He had approached the wholesalers from whom he contended he had bought the jaconet, but they denied that it had been supplied by them. He had only received two prescriptions for this article, including the sample taken for analysis, and he had destroyed the stock from which the sample was taken. The respondent acquired the business about October 1933, and in view of his statement that he was called upon to supply jaconet at very infrequent intervals it appeared to the subcommittee that he probably took over a stock of jaconet. The chemist was warned.

### SCOTLAND

**Edinburgh.**—Of 312 samples obtained from chemists in the burgh during 1936 only seven had fallen short of the standards of the British Pharmacopœia and British Pharmaceutical Codex. On the list at the beginning of 1937 were 210 doctors, 178 chemists with 232 shops, and six dealers in appliances. Payments made to doctors and chemists for last year amounted to £98,405.

## Items in Parliament

### ADJUSTMENTS IN FACTORY WAGES

The Home Secretary was asked whether, in connection with the Shift System in Factories and Workshops (Consultation of Workpeople) Order, he could give an assurance that the provision that the employer must give information as to adjustments in wages and working conditions also covered earnings, lest the employer should seek to introduce piece rates without warning.

Sir J. Simon: Yes, Sir.

### ADVERTISEMENTS IN STAMP BOOKS

The Postmaster-General was asked whether he had received representations from the British Medical Association respecting certain classes of advertisements appearing in the books of stamps issued by the Post Office; and whether he proposed to take action in the matter?

Sir W. Womersley: Representations on this subject were received from the British Medical Association a few years ago. My right hon. Friend recently reviewed the matter in connexion with a question asked by my hon. Friend the Member for Eccles on December 7 last, and found no reason for altering the present policy, which is to exclude advertisements of medicines purporting to cure certain diseases specified in Paragraph 58 of the report of the Select Committee on Patent Medicines, 1914, but to accept other advertisements whose wording is not objectionable and whose *bona fides* is not suspect.

### COMMUNICATIONS BETWEEN DOCTORS AND PATIENTS

The text of a Bill to provide that certain communications between medical practitioners and their patients shall be privileged from disclosure in evidence in courts of law has now been published. The Bill provides that any information obtained by a duly registered medical practitioner in the course of treatment of any patient shall be regarded as confidential, and shall be privileged from disclosure in a court of law, provided that the information obtained shall have been obtained for the purpose of a cure, or assisting in a cure, of a patient so treated; and provided also that this privilege shall not extend to any communication made with the object of committing, or aiding in committing, any fraud or crime; and shall not extend to any disclosure in any court of law in any case founded on a criminal charge, or charge of fraud, against such patient.

The Bill, which was sponsored by Sir Ernest Graham-Little, M.D., and other members, was refused a second reading in the House on February 4.

### ANTI-GAS PRECAUTIONS

The Home Secretary was asked how soon the proposed handbook on air raid precautions in the home would be published; what the price would be; whether information as to the best method of making premises gas-proof, blast-proof, and splinter-proof would be distributed to every householder and other occupier free of charge, and when.

The Under-Secretary of State for the Home Department (Mr. Geoffrey Lloyd): A handbook for householders, giving simple information on these matters is now in process of final revision and should be ready for issue in the near future. The arrangements for publication are under consideration.

Further asked if he was in a position to state whether the information would be given to the public, Mr. Lloyd replied: Not at the moment.

Mr. H. P. Mitchell (Conservative member for Brentford) asked the Home Secretary what precise arrangements were to be made for training British pharmacists in anti-gas work; and whether any retaining fees would be paid to pharmacists for their assistance in the anti-gas scheme?

Mr. Lloyd: The Pharmaceutical Society generously offered the co-operation of its members in connection with air raid precautions, and this offer was gratefully accepted. After discussion it was agreed that in the event of an emergency, pharmacists could probably give the greatest service by carrying on with their ordinary work. Arrangements will be made as soon as possible for a number of places at the Civilian Anti-Gas School to be reserved for members of the Society, who will be trained as instructors with a view to their training other members of the Society in anti-gas precautions. The answer to the second part of the question is in the negative.



# Iron Therapy Discussed      World Trade in Cinnamon

**L**IMITING himself to the mode of action of iron in the hypochromic anæmias, Dr. J. F. Brock discusses in the light of the latest chemical research ("British Medical Journal," 3971, 314) the reason or reasons for the present practice of giving massive doses of iron salts in such cases. His survey includes details of three actual cases presenting apparently conflicting features, to which in this brief abstract further reference will not be made. Examination of the facts of the distribution and exchange of iron in the body lends support to the view that the hypochromic anæmias are the result of a state of iron deficiency in the body. More than half of the iron of the body is present as circulating hæmoglobin. The supply of iron in the food is very small, and only a part of it is available.

It has been claimed that soluble ferrous preparations are efficacious in smaller doses than can be used in the case of other preparations referred to by the author. The claim is justified only in part. Reimann and Fritsch (1931) have shown that small doses of ferrous chloride are very readily absorbed and retained (up to 53.8 per cent. of the amount administered). This means that a daily dose of 9 gr. of exsiccated ferrous sulphate, if it is absorbed anywhere near as readily as ferrous chloride, would allow the body to retain enough iron for an optimal hæmoglobin response and a margin for replenishing reserves. But in spite of this Fullerton (1934) found that only ten out of twenty-one cases had a satisfactory hæmoglobin response on this dose. So that even with the soluble ferrous preparations the anæmia apparently does not always respond to the provision of *enough* iron. There has been a tendency to put 9 gr. of exsiccated ferrous sulphate on a par with 90 gr. of Blaud pill as an average optimum daily dose. Such a claim cannot be accepted. Favourable cases (ten out of twenty-one in Fullerton's experience) will respond to 9 gr. of ferrous sulphate; but they will also respond to 30 gr. daily of Blaud pill, which contains about the same amount of iron. From 60 gr. to 90 gr. of Blaud pill is an average optimum dose which will cause a satisfactory remission in all but the most resistant cases, and the equivalent dose of exsiccated ferrous sulphate is probably about 18 to 27 gr. There is no reason at all why the iron of exsiccated ferrous sulphate should be better absorbed than that of freshly prepared Blaud pill, and indeed there is no evidence of a difference in utilisation as between the two preparations in Fullerton's Table III (1934). The purpose of the author's paper is to present the evidence for the greater effectiveness of *excess* iron as compared with *enough* iron, not to explain it. Any attempt to do so involves us in the present state of knowledge in pure speculation. He outlines, however, two possible explanations, and adds that the hypochromic anæmias cannot respond properly to any form of therapy which does not supply enough iron to be incorporated in the new hæmoglobin. He comments severely on the use in such anæmias of preparations for injection containing less than 5 mgm. per dose, and rejects the injectio ferri of the British Pharmacopœia as entirely inadequate.

## Arachis Oil in Olive Oil

THE following *précis* of a new test by Mr. Norman Evers, B.Sc., F.I.C., for the detection of arachis oil in olive oil has been circulated by the Society of Public Analysts:—

The presumptive test for arachis oil in olive oil described in the B.P., 1932, gave positive results for arachis oil with sixteen out of twenty-six olive oils of various grades and origins. In one case only was the presence of arachis oil confirmed by the further confirmatory test of the B.P. Improvements in the presumptive test were made, as a result of which only two out of the twenty-five pure olive oils gave positive indications. The revised test is as follows:—Saponify 1 mil of the oil with 5 mls of 1.5N alcoholic potassium hydroxide by heating on a water bath for five minutes, guarding against loss of alcohol. Add 50 mls of 70 per cent. (v/v) alcohol and 0.8 mil of concentrated hydrochloric acid (s.g. 1.16). Heat, if necessary, to dissolve any precipitate, and cool at the rate of about 1° C. per minute, stirring *continuously* with the thermometer until a turbidity forms. If this occurs below 9° C. arachis oil is absent.

(From our Amsterdam Correspondent)

A RECENT publication of the Royal Association at the Colonial Institute of Amsterdam deals with the international trade in cinnamon in connexion with the rôle which the Dutch colonies play therein. Attention is firstly drawn to the confusion which exists regarding the diverse varieties of cinnamon and cinnamon-cassia. While these all belong to the botanical family of *Cinnamomum*, the West Indian white cinnamon originates from the *Canella* species. Particularly the Dutch trade rules distinguish between "Ceylon-cinnamon," i.e., the peeled bark of *Cinnamomum Zeylanicum* Nees, and *Cinnamon* originating from other than the last-mentioned family, whilst it may also mean chips obtained in peeling Ceylon cinnamon.

CINNAMON EXPORT FROM IMPORTANT COUNTRIES  
(Metric Tons)

	Dutch East India (cassia vera)	Ceylon (genuine cinnamon)	China (cassia lignea)	Indo- China (cassia lignea)	Total
1929 ...	2,504	2,449	6,134	644	11,731
1930 ...	2,401	2,243	5,540	711	10,895
1931 ...	2,585	2,130	6,868	916	12,499
1932 ...	3,034	2,451	7,082	933	13,500
1933 ...	3,385	2,472	9,523	730	16,110
1934 ...	3,737	2,248	8,917	817	15,713

The tree *Cinnamomum Zeylanicum* Nees (syn. *C. zeylanicum* Breyne) occurs principally in Ceylon, but also in Java and various East African islands (Seychelles). Genuine cinnamon is predominantly of Ceylon origin, Java supplies some quantities, whereas the bark coming from the Seychelles is considered to be of inferior quality. Eighty per cent. of Ceylon cinnamon is exported in the shape of "quills" (pipes), the balance consisting of "chips" (shavings). Its chief outlets are Mexico, Spain, U.S.A., Germany, the United Kingdom and Holland. In addition to cinnamon bark, Ceylon exports also cinnamon oil that is rich in cinnamon aldehyde and is obtained by steam distillation of chips and, in addition, cinnamon leaf oil obtained from steam-distilled leaves. The last-mentioned product is an important export material of the Seychelles. The Cassia Vera of the Netherlands Indies must not be confounded with the Cassia Vraie, that is *Acacia Farnesiana* Willd., the blossoms of which are applied in the French perfumery industry. In Dutch East India the name of Cassia Vera is applied to the tree *Cinnamomum Burmanni*, which mostly grows on the west coast of Sumatra. It is cultivated by the natives, who call it "koelit manis." As is evident from the above figures, Dutch East India accounts for a percentage of the world's supply of cinnamon of about 22 per cent. The Dutch product is shipped from the Padang harbour and is mostly (up to two-thirds) shipped to the U.S.A., the balance going to Holland, Germany, Sweden and other European countries. The Cassia Lignea of China and Indo-China is gathered from the bark of the *Cinnamomum Cassia* originating from South China. The Chinese and Indo-Chinese product are shipped via Hongkong, and also directly to British India and other consuming countries. According to Dutch estimations, the various cinnamon qualities of which the Dutch product stands nearer to the Ceylon than to the Chinese cinnamon are chiefly applied as a table luxury, while important quantities are worked up in the manufacture of cakes and pastry, canned fruit, etc., as well as of mixed spices. Recently the white or "wild cinnamon," originating from West India or Florida, *Canella alba* Murray, has been marketed in Holland. In Europe the bark finds employment only as a drug or in the fabrication of bitters. The bark contains a bitter principle, which has not yet been isolated, and about 1 per cent. of a volatile oil, to which its aroma is due. It contains no tannin. The very bitter taste of the bark renders it quite unsuitable for general employment as a spice.



# Trade Report

Where possible scales of prices of chemicals are given for bulk down to small quantities. Prices recorded for crude drugs, essential and fixed oils and coal tar products are for fair sized wholesale quantities. Qualities of chemicals, drugs, essential and fixed oils, etc., vary, and selected brands or grades would be at higher values

## 28 Essex Street, W.C.2, February 18

THE QUIETER TONE recorded last week has continued to prevail, with business on a subdued note. At the same time, there is no sign of a break in prices from the recent higher levels; in fact, the majority of the alterations recorded this week are further advances. Business in the PHARMACEUTICAL CHEMICALS markets has, it is stated, been average. Makers' prices for EPHEDRINE HYDROCHLORIDE are firm at the advance. The scale of prices for MERCURIALS has been advanced sixpence. The home maker of SUGAR OF MILK notifies an advance of no less than £18 a ton, and there seems to be a shortage here and on the Continent.

## Crude Drugs

Although rather quieter, a fair volume of business continues in these commodities and values are far from showing signs of weakening. JAPANESE AGAR is again dearer forward. Practically no shipment offers of CAPE ALOES. Quite a nice business in BUCHU on spot; a parcel of new crop is due here next week. JAPANESE CAMPHOR is quoted dearer on spot; shipment unchanged. Due to continued lack of supplies on spot and extremely few shipments offers values for CARDAMOMS are mostly nominal. A better business in CASCARA SAGRADA this week. Madagascar and Zanzibar CLOVES are again dearer. Norwegian COD-LIVER OIL is quoted cheaper for shipment, due to the good fishing results. COLOCYNTH PULP is firm for shipment; no spot stocks. Practically no ERGOT of any description on spot and nothing offering from the sources. Sudan GUM ACACIA is unsteady. HYDRASTIS is dearer for shipment. Matto Grosso IPECACUANHA is not such a strong market. JAPANESE MENTHOL has had a rather quiet week. PEPPERS show a slight loss. Shensi RHUBARB is steady on spot, and there are prospects of firmer conditions for the Rough Round description. SAFFRON is quoted sharply easier. SLIPPERY ELM BARK in slab form continues scarce and firm.

## Essential Oils

Business has been no more than moderate, and in some quarters a considerable slackening in demand is reported. ANISE (STAR) is steady; quiet demand. Business in BERGAMOT, spot and forward, has been unimportant. BOIS DE ROSE is offered cheaply on spot; no shipment quotations. CANANGA is quoted at keen prices for shipment, but fails to attract business. CASSIA is fully steady. Ceylon CINNAMON LEAF is very firm at current figures. CITRONELLA OILS tend easier on a dull market. CLOVE is very firm, tending dearer. Limited supplies of HO (SHU) are firmly held; no shipment offers. JUNIPER BERRY is dearer on spot. Sicilian hand-pressed LEMON continues firm on spot, but the present level of values seems to be causing buyers to hold off; the shipment market is reported firmer, following the recent tendency to ease a little. No Californian LEMON of any description available. LEMONGRASS has been very dull all the week. French Guinea ORANGE is slightly cheaper for shipment, with not much business moving. One or two shipment quotations for PALMAROSA at very high figures. Singapore PATCHOULI is a firm shipment market. JAPANESE PEPPERMINT has been on the quiet side; Japanese shippers now limiting their offers to April-May. PETITGRAIN is dearer to come forward. Spanish SPIKE, SAGE and ROSEMARY are all very firm at higher prices on spot. SPEARMINT is irregular on quotation.

## Exchange Rates on London

THE following is a list of the chief Continental and other exchange rates at the opening on Thursday morning:—

Centre	Quoted	Par	Feb. 11	Feb. 18
Amsterdam ...	Fls. to £	12.107	8.95	8.95½
Berlin ...	Mks. to £	20.43	12.16	12.16
Brussels ...	Belgas to £	nominal	29.02	29.03
Copenhagen ...	Kr. to £	18.159	22.40	22.40
Lisbon ...	Esc. to £	110	109½	109½
Madrid ...	Ptas. to £	25.22½	nominal	nominal
Milan ...	Lire to £	92.46	93	93
Montreal ...	Dol. to £	4.86½	4.89½	4.89½
New York ...	Dol. to £	nominal	4.89½	4.89½
Oslo ...	Kr. to £	18.159	19.90	19.90
Paris ...	Fr. to £	124.21	105½	105½
Prague ...	Kr. to £	164.25	140½	140½
Stockholm ...	Kr. to £	18.150	19.40	19.40
Warsaw ...	Zloty to £	43.38	25½	26
Zurich ...	Fr. to £	25.2115	21.45	21.46

Bank rate 2 per cent.

## Pharmaceutical Chemicals, etc.

THE usual volume of business is moving, with prices again showing little change of importance. Santonin is unsteady. British sugar of milk is dearer and the Continental material is also firmer.

ACETIC ACID (B.P., 99 to 100 per cent. glacial).—One cwt., carboy, 56s.; 28 lb., 10d.; 7 lb., 1s. per lb.

AMIDOPYRINE.—Dealers' prices keen, business quiet: crystals, five cwt., 17s. 7½d.; two cwt., 18s. 0½d.; one cwt., 18s. 5½d.; less than one cwt., 18s. 10½d. per lb., with powder 2½d. per lb. extra.

AMMONIUM ICHTHIOSULPHONATE.—Market steady, fair business in small lots: one cwt., 1s. 6½d., in 14-lb. tins; 1s. 8d., in 1-lb. tins; 1s. 10½d., in 8-oz. tins, and 2s. 1d. per lb., in 4-oz. tins.

ASPIRIN.—Makers' and dealers' prices are unchanged, business continues on a very fair scale: home trade, ten cwt., 2s. 7d.; five cwt., 2s. 8d.; one cwt., 2s. 8½d.; 28 lb., 2s. 9d.; 14 lb., 2s. 10d.; 7 lb., 3s.; 4 lb., 3s. 2d.; 1 lb., 3s. 4d. per lb. Bulk packing free, net, carriage paid. Contracts, over twelve months, minimum one ton; over six months, less than one ton.

BISMUTH SALTS.—Makers' scales of prices and terms of payment continue at the recent revision: Carbonate, not less than one cwt., 6s. 6d.; 28 lb., 6s. 9d.; 8 lb., 7s. 3d.; 4 lb., 8s.; less than 4 lb., 8s. 6d. per lb.

BORIC ACID (B.P.).—Crystals, one cwt., 45s.; 7 lb., 5½d.; powder, one cwt., 47s.; 7 lb., 6d. per lb.

BROMIDES.—Makers' scales of prices steady. No Continental quotations. POTASSIUM, B.P., five cwt., 1s. 8d.; one cwt., 1s. 9d.; 28 lb., 2s. per lb. SODIUM, B.P., five cwt., 1s. 10d.; one cwt., 1s. 11d.; 28 lb., 2s. 2d. per lb. AMMONIUM, B.P., five cwt., 1s. 11d.; one cwt., 2s.; 28 lb., 2s. 3d. per lb., net. Resale clause applies. 28-lb. parcels and one-cwt. cases free. Export quotations are maintained, as follows: POTASSIUM, B.P., five cwt., 1s. 4d.; one cwt., 1s. 4½d. SODIUM, B.P., five cwt., 1s. 5d.; one cwt., 1s. 5½d. AMMONIUM, B.P., five cwt., 1s. 6½d.; one cwt., 1s. 7d. per lb., f.o.b.

BUTYL CHLORAL HYDRATE.—Quiet demand: spot, 14 lb., 8s.; 7 lb., 8s. 3d.; 1 lb., 8s. 6d. per lb., in 1-lb. bottles.

CAFFEINE.—The scales for Continental material, duty paid, in 5-lb. tins, are as follows:—Pure alkaloid, two cwt., 8s. 10½d.; one cwt., 9s. 0½d.; 56 lb., 9s. 2½d.; less than 56 lb., 9s. 4½d. per lb. Citrate, two cwt., 5s. 11½d.; one cwt., 6s. 0½d.; 56 lb., 6s. 1½d.; less than 56 lb., 6s. 2½d. per lb. Soda. Sal. two cwt., 6s. 2½d.; one cwt., 6s. 3½d.; 56 lb., 6s. 4½d.; less than 56 lb., 6s. 5½d. per lb. English makers' prices as follows: Pure alkaloid, two cwt., 9s.; one cwt., 9s. 2d.; 56 lb., 9s. 4d.; less than 56 lb., 9s. 6d. per lb. Citrate, two cwt., 5s. 11d.; one cwt., 6s.; 56 lb., 6s. 1d.; less than 56 lb., 6s. 2d. per lb.

CALCIUM LACTATE.—Market is dull: one cwt., 1s. 0½d.; 56 lb., 1s. 1½d.; 28 lb., 1s. 2d.; smaller quantities up to 1s. 6d. per lb.

CHLORAL HYDRATE.—British material is steady as quoted: duty paid crystals, in 14-lb. free containers, five cwt., 3s. 2d.; one cwt., 3s. 3d.; 28 lb., 3s. 4d. per lb.; 28-lb. jars, one penny per lb. extra.

CHLOROFORM.—Prices quoted by makers are: two cwt., 2s. 5½d. per lb.; one cwt., 2s. 6d.; 56 lb., 2s. 6½d.; less, 2s. 7½d. per lb., in w-quarts of 8 lb. Packed in drums, ½d. per lb. less. Small bottles extra, from 5d. per lb. for ½-lb. bottles to 1d. for 2-lb. bottles. Carriage paid on minimum cwt. lots.

CITRATES.—Makers' prices are as follows:—

	Under 4 lb.	4 lb. and under 7 lb.	7 lb. and under 14 lb.	14 lb. and under 28 lb.	Not less than 28 lb.
	lb. s. d.	lb. s. d.	lb. s. d.	lb. s. d.	lb. s. d.
Potassium B.P. ...	2 1	1 10	1 8	1 7	1 5
Sodium B.P. ...	2 2	1 11	1 9	1 8	1 6

CITRIC ACID (B.P. CRYSTALS).—Values steady at former figures: British material quoted at 1s. per lb., less 5 per cent. discount, nominal and without engagement. Dealers' prices for imported material are competitive.

COPPER SULPHATE.—Makers' prices continue steady at the recent advance at £20 per ton, less 2 per cent., in casks, f.o.r. or f.o.b.

CREAM OF TARTAR.—Fair business, market steady: British material, 99 to 100 per cent., 79s. per cwt., less 2½ per cent. discount. Dealers' prices for foreign material competitive.



**EPHEDRINE HYDROCHLORIDE.**—Supplies continue extremely short and the market is firm, with bulk quantities at 4s. 6d. to 4s. 9d. per lb.

**MERCURIALS.**—The makers notify an advance of 6d. per lb. on these products, due to the scarcity and high value of the metal. The new scales are as follows:—

	Under 112 lb.	Not less than 112 lb.
	Per lb. s. d.	Per lb. s. d.
Ammoniated lump, B.P. (white precip.)	6 0	5 11
Ammoniated powder, B.P.	6 2	6 1
Bichloride lump, B.P. (corros. sub.)	5 3	5 2
Bichloride powder, B.P.	4 11	4 10
Chloride, B.P. (calomel)	6 0	5 11
Red oxide cryst., B.P. (red precip.)	7 1	7 0
Red oxide levig., B.P.	6 7	6 6
Yellow oxide, B.P.	6 5	6 4
Persulphate white, B.P.C.	6 2	6 1
Sulphide black (hyd. sulph., cum. sulph. 50 per cent.)	6 1	6 0

Special prices for larger quantities and for contracts. The previous market alteration was on August 18, 1936.

**METHYL SALICYLATE.**—Fair business in smallish quantities, market steady: spot, ten cwt., 1s. 1½d.; five cwt., 1s. 2d.; one cwt., 1s. 2½d.; less than one cwt., 1s. 2½d.; small quantities, in bottles, up to 2s. per lb.

**METHYL SULPHONAL.**—Dealers' spot quotations irregular, business slow: two cwt., 19s. 3½d.; one cwt., 19s. 9½d.; 56 lb., 20s. 2½d.; small parcels, up to 20s. 9d. per lb.

**PHENACETIN.**—Fair inquiry, with values quite steady: crystals or powder, bulk quantities, 2s. 6d.; smaller parcels, 2s. 7d. up to 3s. per lb., as to quantity.

**PHENAZONE.**—Foreign material continues to be quoted at cheap prices on spot in the region of 6s. to 6s. 6d. per lb.; powder, 2½d. per lb. extra.

**PHENOLPHTHALEIN.**—Market about steady, business quiet: two cwt., 2s. 9d.; one cwt., 2s. 10d.; 28 lb., 3s.; 14 lb., 3s. 1d.; 7 lb., 3s. 2d.; smaller parcels, up to 3s. 6d. per lb.

**PHENYLBARBITURIC ACID.**—Dealers are doing occasional small order business on spot at about 24s. 6d. to 25s. per lb., in 2-lb. bottles.

**PHOSPHORIC ACID (B.P.).**—In carboys, 9d.; 28 lb., 10½d.; 7 lb., 1s. 1½d. per lb.

**POTASSIUM SULPHOGUAIACOLATE.**—British and foreign material quoted about 6s. to 6s. 2d. per lb., as to quantity.

**QUININE SALTS.**—Convention prices continue unchanged: sulphate, 2s. 2d.; bisulphate, 2s. 2d.; ethyl carbonate, 2s. 9½d.; salicylate, 2s. 10½d.; hydrochloride, 2s. 8½d.; bihydrochloride, 3s.; hydrobromide, 2s. 8½d.; bihydrobromide, 3s.; valerianate, 3s. 8d.; hypophosphite, 4s.; alkaloids, 3s. 9½d. per oz., carriage paid on bulk quantities; 100-oz. tins free, smaller packages extra.

**SALICYLIC ACID (B.P.).**—Fair business, makers' prices steady; five cwt., 1s. 7d.; one cwt., 1s. 7½d.; 28 lb., 1s. 8d.; 14 lb., 1s. 9d.; 7 lb., 1s. 10d.; 4 lb., 2s. per lb.

**SALOL.**—Limited business on a keen market: spot quoted from about 2s. 3d. to 2s. 6d. per lb., as to quantity; powder, 2½d. extra.

**SANTONIN.**—Keen competition, with a quiet demand: spot, in the region of £12 per kilo, ex store.

**SODIUM BENZOATE (B.P.).**—Market is keen for business of any size: bulk quantities, about 1s. 6d.; one cwt., 1s. 7d.; smaller parcels, 1s. 8d. to 2s. per lb., as to quantity.

**SODIUM DIETHYLBARBITURATE.**—Not much inquiry being received: spot, one cwt., 12s. 3d.; 28 lb., 12s. 6d.; 14 lb., 12s. 9d.; 7 lb., 13s.; smaller parcels, up to 13s. 6d. per lb.

**SODIUM SALICYLATE (B.P.).**—Market steady at makers' prices, fair business: home trade, crystals or powder, five cwt., 1s. 5½d.; one cwt., 1s. 6d.; 28 lb. 1s. 9d.; 14 lb., 1s. 10d.; 7 lb., 2s.; 1 lb., 2s. 3d. per lb.

**SUGAR OF MILK.**—British makers have withdrawn their recently advanced prices, and a further increase is anticipated. Continental material is also dearer and supplies from all sources appear to be short. Thursday: Makers now quote minimum of £87 per ton for bulk quantities.

**SULPHONAL.**—Dealers find business quiet, quotations competitive: crystals or powder, two cwt., 15s. 3½d.; one cwt., 15s. 10½d.; 56 lb., 16s. 1d.; smaller parcels, up to 16s. 7½d. per lb.

**SULPHURIC ACID (B.P.).**—One carboy, 32s. 6d.; 28 lb., 5d. per lb. Redistilled, one penny per lb. extra.

**TARTARIC ACID (B.P. CRYSTALS).**—Market continues to be quoted at the recent slight reduction: British makers quote at 11½d. per lb., less 5 per cent. discount. Dealers offering foreign materials at competitive prices.

## Crude Drugs, etc.

**AGAR.**—Limited spot business at former values; shipment market continues firm and is again quoted dearer: spot, Kobe No. 1, 3s. 3d. to 3s. 4d.; No. 2, 2s. 10½d. to 3s.; Yokohama No. 1, 2s. 10d. per lb.; shipment, Kobe No. 1, 3s. 1d.; No. 2, 2s. 11d.; Yokohama No. 1, 2s. 10d. per lb., c.i.f.

**ALKANET ROOT.**—Dealers are quoting small spot parcels at about 45s. per cwt., ex store.

**ALOES.**—Steady sale of Curaçao; Cape is firmer for shipment and there is very little offering. Cape, spot, 60s. to 62s. 6d., as to quality; shipment, if available, 58s. 6d. per cwt., c.i.f.; Curaçao, spot, 95s. to 115s., as to quality; shipment, 90s. to 92s. 6d. per cwt., c.i.f.

**ANTIMONY.**—Chinese crude, spot, £36; shipment, February-March, £33 to £34 per ton, c.i.f.; English regulus, spot, £77 to £78 per ton.

**BARBASCO ROOT.**—The demand is still disappointing. Spot, root testing about 7.2 per cent. rotenone, 1s. 1d. per lb., ex store.

**BELLADONNA.**—Some few small sales: leaves, 57s. 6d.; root, 47s. 6d. per cwt., spot.

**BUCHU.**—Some fair spot business, chiefly for re-export and most of the old stocks have gone; there may be about a dozen bales left. Rounds, 2s. to 2s. 2d., as to quality. Some new crop will be here next week, and if of good quality the limits are likely to be about 2s. 2d. per lb.; shipment offers vary, with the average about 1s. 8d. to 1s. 9d., c.i.f.

**CAMPHOR.**—Spot prices for Japanese are dearer, fair business reported. Japanese manufacturing BB grade is steady at the recent advance at £8 10s. per 100 lb. Japanese, spot, tablets, 2s. 7d.; powder, 2s. 3½d.; slabs, 2s. 3d. per lb., ex store; shipment, tablets, 2s. 3d.; powder, 2s. 1d.; slabs, 2s. 0½d. per lb., c.i.f. English refined flowers: one cwt., 3s. 1d.; 28 lb., 3s. 2d.; small lots, 3s. 3d. per lb. Transparent, tablets, 4 oz., 8 oz. and 16 oz., 3s. 4d.; 1 oz. and 2 oz., 3s. 5d.; ½ oz. and ¼ oz., 3s. 6d. per lb. Contracts at special prices.

**CARDAMOMS.**—Spot market continues practically bare of supplies with values nominal. An offer of Mangalore seed for shipment at 6s. 6d., c.i.f. Aleppy greens, shipment, prompt, 4s. 6d.; March-April, 4s. 4d. per lb., c.i.f. Some splits on spot firm at 5s. 3d. per lb., ex store.

**CASCARA SAGRADA.**—Rather more business being done and the shipment market is firm: spot, 1936 peel, 56s. 6d.; 1933 peel, 65s.; shipment, 1936 peel, 51s.; 1934 peel, 56s. per cwt., c.i.f.

**CELERY SEEDS.**—The price for small quantities on spot continues steady at 1s. per lb., ex store.

**CLOVES.**—Values are again dearer with the market fully steady. Zanzibar, spot, 9½d.; shipment, February-April, 9½d. per lb., c.i.f.; Madagascar, in bond, 9d.; shipment, February-April, 8½d. per lb., c.i.f.

The landings of Zanzibar in London during the week ended February 13 were 55 and the deliveries 153, leaving a stock of 2,211. From January 1 to date the landings of Zanzibar have been 966 and the deliveries 431. Landings of Madagascar for the week ended February 13 were 80 and the deliveries 52, leaving a stock of 3,329. From January 1 to date the landings of Madagascar have been 2,336 and the deliveries 340 packages.

**COCOA BUTTER.**—Market is steady as quoted. Prime English, 1s. 4½d. to 1s. 5½d. per lb.; foreign 1s. 2½d. to 1s. 3½d. per lb., as to quantity.

**COCONUT (DESICCATED).**—Market has been quiet and is quoted slightly easier on the week: spot, fine, 30s.; medium, 29s. 6d. per cwt.; shipment, halves, February, March and April, 28s. per cwt., c.i.f.

**COD-LIVER OIL.**—Bergen reports fishing continued in a satisfactory manner with results to February 13 18,100 tons of cod and 9,444 hectol. of oil, compared with 15,262 tons of cod and 7,864 hectol. of oil on the same date in 1936, and 8,477 tons of cod and 4,010 hectol. of oil in 1935. Shipment quotations for finest Lofoten steam refined, non-freezing, medicinal oil, 94s. to 95s. per barrel, c.i.f. London. Spot, in small lots, about 127s. 6d. per barrel, ex store. Newfoundland, non-freezing medicinal oil, 130s. per barrel, ex store. British non-freezing medicinal oil is now quoted at 92s. to 100s. per barrel, c.i.f. London, duty free, while quotations from another home source are at higher figures.

**COLCHICUM.**—Some root is now available on spot at about 40s. per cwt.; seed quoted at 10d. per lb., ex store.

**COLOCYNTH PULP.**—A little pulp offered for prompt shipment at 2s., c.i.f. June-July continues firm at 1s. 10d. to 1s. 10½d. per lb., c.i.f. No spot supplies, but a rejected parcel offering from New York.

**DANDELION ROOT.**—Dealers are doing some small order business in foreign root at about 80s. per cwt., ex store.

**DERRIS ROOT.**—Market is still lacking the usual amount of seasonal demand. Shipment, basis 17 per cent. ether extract, 9d. per lb., c.i.f. for bulk quantities; spot, about 11d. per lb., as to test, ex store.

**ERGOT.**—There may be a few bags of Russian on spot at 5s. 9d. and Portuguese/Spanish at 6s. 6d. per lb. No business reported. No shipment offers of any consequence, and a report from Russia that they have used their crop in domestic consumption.

**GENTIAN.**—Market continues firm, with Continental root on spot from 57s. 6d.; shipment, 55s. per cwt., c.i.f.



**GINGER.**—Values of West African show a recovery. West African, spot, 62s. 6d.; shipment, February-April, 50s. 6d. per cwt., c.i.f.; Jamaican, spot, bold, in barrels, 87s. 6d. to 90s.; small grinding, 92s. 6d. per cwt., in bags, ex store.

**GUM ACACIA.**—Market quotations are moving up and down; dull and easy at the moment: spot, Kordofan cleaned sorts, 45s.; bleached, No. 1, 105s.; extra, 117s. 6d. per cwt.; shipment, Kordofan cleaned sorts, 42s. per cwt., c.i.f.

**HYDRASTIS.**—The shipment market is cabled sharply dearer at 14s. c.i.f. Spot has been advanced to 13s. 3d. to 13s. 6d. per cwt., and may go higher.

**IPECACUANHA.**—The demand has been quiet, and stocks have improved; market not so strong: Matto Grosso, B.P. test, about 7s. per lb.; shipment, 6s. 9d. per lb., c.i.f.

**MENIOL.**—Business has been moderate during the past week, Japanese, K/S brands, 13s. to 13s. 1½d.; in bond, 11s. 7½d. to 11s. 9d. Japanese shippers quoting February-March at 11s. 9d., c.i.f., with re-sellers at 11s. 6d. per lb., c.i.f. English synthetic is quoted unchanged from 7s. 6d. to 10s. 6d. per lb., as to quality and quantity.

**MERCURY.**—The first-hand sellers in London report their prices for Spanish metal are unchanged, but that supplies are very limited, and the future outlook indefinite. No metal coming in from Italy. Stocks in Spain are said to be comparatively small. In second-hands much higher prices have been mentioned, but the view is taken that, at the moment, there is no reason for the very high figures reported in the open market. Spanish/Italian metal quoted at 69 dollars 50 cents per bottle, f.o.b. Continent; £14 3s. 6d., c.i.f. London; spot, in small lots, £14 6s. per bottle, ex store.

**PEPPER.**—Market has been quiet and is quoted fractionally easier. Lampung, in bond, 3½d.; shipment, Mareh-May, 3d.; April-June, 3½d., c.i.f. Tellicherry, spot, 4½d.; shipment, February-April, 38s., c.i.f.; Aleppy, spot, 4½d.; shipment, February-April, 38s., c.i.f. White Muntok, in bond, 6d.; shipment, March-May, 5½d., c.i.f.

**PIMENTO.**—Values have recovered last week's loss, business quiet: spot, 8½d. per lb.; shipment, February-April, 70s. per cwt., c.i.f.

**QUASSIA CHIPS.**—Dealers are offering spot supplies in the region of 20s. per cwt., as to quantity, ex store.

**QUILLARIA BARK.**—Whole bark is available on spot at about 25s. to 27s. 6d., and crushed bark at 35s. per cwt., ex store.

**RHUBARB.**—Shensi is steady on spot at 3s. 9d. to 4s. 3d.; pickings, 2s. 6d. to 2s. 9d. per lb., ex store. One parcel of Rough Round is now limited at 1s. 10d. A new parcel is due to arrive shortly, and will be offered from 1s. 9d. per lb., ex wharf. The origin reports no stocks available for shipment.

**RUBBER.**—The market is quoted slightly cheaper on the week, business slow. Standard ribbed smoked sheet, spot, 10½d.; February, 10½d.; March, 10½d.; April-June, 10½d.; July-September, 10½d.; October-December, 10½d. per lb.

**SAFFRON.**—There is an easier tone in this market, and some holders are now offering Valencia from 62s. 6d. to 65s. per lb., ex store, as to quality and quantity.

**SEEDS.**—ANISE.—Bulgarian, 31s. spot, duty paid. CANARY.—Mazagan, 29s. 6d.; Turkish, 25s. 6d.; Plate, 21s.; and Spanish, 52s. 6d.; all spot, duty paid. CARAWAY.—Dutch spot is 36s. 6d., duty paid; 31s. 6d. quoted f.o.b. Holland. CORIANDER.—Morocco, on spot, quoted at 19s. 6d. duty paid and 18s. in bond. CUMIN.—No Malta offering on spot; Morocco is 32s. 6d., spot, duty paid, and 30s. in bond. FENUGREEK.—Morocco on spot, 14s. to 14s. 6d., duty paid; for shipment, 11s., c.i.f., quoted. MUSTARD.—English, 22s. to 32s. 6d. per cwt., according to quality.

**SENNA.**—Some new crop Alexandrian hand-picked pods are here, the colour being good, but the pods are not particularly bold; the price is indicated in the region of 43s. 3d. per lb. In other respects the market is quoted unchanged for Tinnevely and Alexandrian with prices for the various qualities as recorded last week.

**SLIPPERY ELM BARK.**—Very few lots available here; firm from 1s. 2d. with nothing offered for shipment. Grinding quality, spot, 6½d. per lb.

**TRAGACANTH.**—The source reports shipments continue limited. Drug-gists' fine white ribbon is now quoted at £70. Fair inquiry, for textile qualities ranging from £12 to £20 per cwt., ex store. Most of recent arrivals have been of the textile grades.

**VALERIAN ROOT.**—Spot supplies are moving slowly with the price steady at about 35s. per cwt., ex store.

**WAX.**—BEES'.—Market continues firm with supplies very restricted. Calcutta, bleached, spot, 150s.; shipment, February-March, 147s. 6d.; ordinary quality, spot, 135s.; shipment, 127s. 6d., c.i.f. Abyssinian, no spot offering; shipment, February-March, 130s., c.i.f. Benguella, spot, 145s.; shipment, 130s., c.i.f. Conakry, spot, none offering; shipment, none offering. Dar-es-Salaam, spot, 145s.; shipment, 145s. per cwt., c.i.f. CARNAUBA.—A quiet demand, with values unchanged on the week. Fatty grey, spot, 170s.; shipment, afloat, 163s., c.i.f.; February-March, 160s.; March-April, 160s., c.i.f. Chalky grey, spot, 165s. 6d.; shipment, February-March, 160s., c.i.f.; Primeira, spot, good quality, 220s., f.a.q., 215s.; shipment, February-March, 202s. 6d., c.i.f. Mediana, spot, 210s.; shipment, 205s., c.i.f.

## Essential Oils, etc.

REPORTS indicate that business generally has been on a rather restricted scale this week. Values, spot and forward, are keeping quite steady in most instances. Citronella oils are dull. Clove oils very firm.

**ALMOND.**—Market is steady, with Continental material to come forward at high values: English-made, cwt. lots, 3s. 5d.; smaller parcels, 3s. 7½d. per lb.; foreign, cwt. lots, 3s. 8d.; smaller parcels, 3s. 10½d. per lb.

**ANISE (STAR).**—A steady flow of spot business in small quantities: shipment market quiet: spot, leads, 3s. 7d.; tins, 3s. 5d. to 3s. 6d.; drums, if available, 3s. 4½d. per lb., ex store; shipment, February-March, leads, nominal; tins, 3s. 1d.; drums, 3s. per lb., c.i.f.

**BAY.**—Average business, market steady: 49 to 50 per cent., 4s. 9d. to 4s. 10d.; 59 to 60 per cent., 4s. 11d. to 5s. per lb., as to quantity.

**BERGAMOT.**—Business on the spot has again been mostly limited to small orders, with quotations keeping fully steady from 13s. 6d. upwards per lb., ex store. The source reports that at the moment they are not releasing any oil to shippers, but are likely to do so at an early date. It is indicated that the shipment quotation is unchanged at 13s. 6d., c.i.f., with all shippers on the same terms.

**BOIS DE ROSE.**—Some odd drums of Brazilian on the spot might be picked up at about 5s. 10½d. per lb., while other holders want fully 6s. to 6s. 3d. Still no offers for shipment from the source.

**CAJUPUT.**—Market is steady, business rather slow: B.P., 2s. to 2s. 3d. per lb., as to quantity.

**CANANGA.**—Shipment offers continue cheap and irregular, ranging from 5s. 9d. to 6s. 3d. per lb., c.i.f. The spot market is also unsteady at about 6s. 1½d. to 6s. 6d. per lb., ex store.

**CARAWAY.**—Moderate inquiry, market steady: Dutch rectified, 8s.; crude, 7s. 7d. per lb., landed and duty paid.

**CASSIA.**—This market is fully maintained and a steady spot business continues: spot, 3s. 3d. to 3s. 4d. for good quality oil and inferior at slightly less; shipment, leads, 3s.; drums, 2s. 10d. per lb., c.i.f.

**CEDAR LEAF.**—Only a few small spot inquiries recorded; quoted at about 4s. 9d. to 5s. per lb., ex store.

**CEDARWOOD.**—The margin between the American and African oil is not quite so wide; fair spot business: African, in drums, 1s.; smaller packages, up to 1s. 3d. per lb. American, in drums, 1s. 3d.; smaller packages, 1s. 4½d. per lb.; shipment, 1s. 1d. per lb., c.i.f.

**CINNAMON LEAF.**—Continues firm with spot supplies and shipment offers restricted: Ceylon oil, spot, drums, 3s. 7½d.; smaller packages, up to 3s. 10½d. per lb.; shipment, February-April, 3s. 5½d. per lb., c.i.f. Fair amount of small business on spot.

**CITRONELLA.**—As anticipated, these markets are easier and are quite neglected at the moment: Ceylon, spot, drums, 1s. 8d. to 1s. 9d.; smaller parcels, up to 2s.; shipment, drums, 1s. 6½d. per lb., c.i.f. Java, spot, drums, about 1s. 11d.; smaller parcels, up to 2s. 2d.; shipment, drums, 1s. 8½d. per lb., c.i.f.

Exports from Ceylon during the period January-September, 1936, totalled 1,004,880 lb. valued at Rupees 376,674, compared with 1,399,764 lb. valued at Rupees 686,418 in the corresponding period of 1935. The chief destinations in the first half of 1936 were: United States of America, 462,701 lb. (Rupees 170,644); United Kingdom, 163,185 lb. (Rupees 63,414); and Germany, 114,744 lb. (Rupees 43,077).

**CLOVE.**—Practically no shipment offers of Madagascar, value nominal at 5s., c.i.f. Spot is very firm, with drums now worth close up to 5s. 2d., with some holders asking higher prices. Zanzibar, in second-hands, has re-sold at 5s., ex store. English distilled oil firm and so far unchanged at 5s. per lb., in cwt. lots, ex works.

**EUCALYPTUS.**—Although business has remained quiet again this week, values are fully maintained and is fully supported by the strong position at the source. Spanish oil is now available. Shipment offers firm: Australian, 70 to 75 per cent., 1s. 7½d., in tins, and 1s. 7d., in drums; 80 to 85 per cent., 1s. 8½d., in drums, per lb., landed; higher prices for small lots on spot; shipment February-March, 70 to 75 per cent., 1s. 5d.; 80 to 85 per cent., 1s. 6d. per lb., c.i.f.; Spanish, 70 to 75 per cent., 1s. 7d., landed.

**GERANIUM.**—Market continues rather neglected, with spot and forward quotations varying as to quality of the oil: Bourbon, spot, 17s. to 18s. 6d.; shipment, about 16s. 9d., c.i.f. Algerian, spot, 16s. to 16s. 6d.; shipment, about 15s. 3d. per lb., c.i.f.

**GINGERGRASS.**—Not much demand for the very small spot stocks; holders' idea of value is about 7s. to 7s. 6d. per lb.; no shipment offers.

**GRAPE-FRUIT.**—Some few inquiries, with Californian oil at about 11s. to 12s. 3d. per lb., as to quantity.

**HO (SHIU).**—Continues very firm on spot, with supplies now running low and quoted at not less than 2s. 6d. to 2s. 9d. per lb. No shipment offers from the source.

**JUNIPER BERRY.**—Spot values are rather dearer, with a standard quality oil now quoted in the region of 3s. 6d. per lb., ex store, for a fair quantity.



**LAVENDER.**—Conditions in this market are quiet, with values quite steady: French, 38 to 40 per cent., steady from 15s. 6d. to 18s. 6d., with blended oil at cheaper prices. Lavandin is quoted from 9s. 6d. to 11s. per lb., as to quality and quantity. There may be some cheaper sellers.

**LEMON.**—During the past two weeks with business quiet the shipment market tended to ease somewhat. Reports from the source now indicate a recovery, with spot holders of goods on consignment advised of higher limits. The shipment figures for Sicilian hand-pressed now range from 13s. 9d. to 15s., c.i.f. On spot, business has been confined to smallish orders, with holders' prices now steadier from 14s. to 15s. 3d. per lb., as to quantity and brand. A reliable report from the source estimates the oil crop this season as 30 per cent. below normal. No Californian cold-pressed available, and no supplies of distilled regular quality; nominal at 8s. 4d. per lb., landed, in drums.

**LEMONGRASS.**—The shipment market has been neglected and is quoted slightly easier at about 1s. 8½d., c.i.f. On spot, the price would be about 1s. 11d. to 2s. per lb., as to quantity.

**MANDARIN.**—This market is quite firm and business has been fairly good: spot, 17s. 9d. to 19s. per lb., as to seller; shipment, 18s. 9d. per lb., c.i.f., for new crop oil.

**NEROLI.**—Spot prices have been advanced with the cheapest sellers now asking 14s. to 19s. per oz. as to quality.

**NUTMEG.**—Most spot holders of American oil are quoting at 5s. 10½d. to 6s. per lb., as to quantity; shipment, 5s. 6d., c.i.f.

**ORANGE.**—Sicilian sweet oil continues nominal. Inquiry for French Guinea oil on spot has been of small account with drums quoted at 5s. 6d. and tins in cases up to 5s. 9d. per lb., ex store. The shipment market has been dull, both as regards inquiries and offers, but the latest news suggests the price is slightly cheaper at about 4s. 10½d. per lb., c.i.f. Californian: small drums, 4s. 2½d.; tins in cases, 4s. 3½d.; single cases, 4s. 6d. per lb., ex store; stocks negligible.

**PALMAROSA.**—Isolated shipment offers at about 11s. 6d. per lb., c.i.f.; these quotations have not been treated seriously. Spot oil is quoted at various prices, according to holder, averaging about 10s. 6d. per lb.

**PATCHOULI.**—A limited business being done on spot with Singapore oil held at 17s. to 17s. 6d. per lb., as to quantity; shipment offers are firm at 16s. 6d. per lb., c.i.f.

**PEPPERMINT.**—The market has been rather quieter this week. Japanese, on spot, 5s. 3d. to 5s. 4½d., as to brand; afloat, near, 5s. 1½d., and distant, 5s., c.i.f. Practically no offers from Japanese shippers for February-March but offering April-May, 5s. 5d. to 5s. 7d., c.i.f., as to seller. On the market there are buyers of January-March at 5s., c.i.f., with sellers wanting 5s. 2d., c.i.f. Shipments from Japan were heavy during January but there is no pressure to sell. CHINESE oil on spot sells slowly at about 5s. 3d. per lb. The American natural oil is quoted for shipment at about 2 dollars 30 to 45 cents per lb., c.i.f.; spot supplies are offered at comparatively cheap prices, with business quiet.

**PETITGRAIN.**—Shipment prices have advanced sharply and are now up to 4s. 2d., c.i.f. This would make cases on spot at least 4s. 4d. and smaller packings up to 4s. 6d. per lb., ex store.

**ROSEMARY.**—The limited supplies available here are moving slowly at good figures; to-day, a really good quality oil is worth fully 3s. 9d. to 4s. per lb., as to quantity. Difficulties still being experienced in bringing forward fresh supplies.

**SAGE.**—Supplies of Spanish oil are very limited and the price now asked is up to 3s. 3d. per lb., ex store.

**SANDALWOOD.**—Genuine East Indian Mysore, 19s. per lb., in one-case lots on spot; oil described as British Indian at very competitive prices. English-made East Indian, 22s. 6d. to 25s. per lb., as to quantity. English-made West Indian, 7s. 3d. per lb. Australian oil continues steady: five cases, 14s. 6d.; one case, 14s. 9d.; 7-lb. tins, 15s. 3d. per lb.

**SASSAPARILLA.**—Market is steady but quiet: natural oil, spot, 3s. 6d. to 3s. 7½d. per lb., as to quantity, ex store. Artificial oil at cheaper prices.

**SPEARMINT.**—This market is irregular, spot and forward: shipment quotations vary from 7s. 7½d. up to 8s. 4d., c.i.f., and spot from 8s. 6d. to 9s. per lb., ex store.

**SPIKE.**—Due to the shortage on spot of good quality Spanish oil and practically nothing being shipped to this market (supplies appear to be reaching Germany), the price is very firm from 5s. 9d. to 6s. 3d. per lb., ex store. French, spot, 7s. 3d. to 7s. 6d. per lb., as to quantity.

**VETIVER.**—Very little inquiry, with Bourbon, on spot, 27s. 6d. to 28s.; shipment, about 21s. 6d. per lb., c.i.f.

**WORMSEED.**—Continues very firm with a fair amount of business reported: spot, 10s. 7½d. to 11s., as to seller; shipment is firm at 10s. 9d. per lb., c.i.f.

## London Drug Stocks

LONDON stocks at January 31, 1937, and January 31, 1936:

Article	Quantity	1937	1936
Aloes ...	cwt.	455	110
Anise (Star) ...	cwt.	665	18
Camphor ...	packages	369	534
Cardamoms ...	cwt.	17	378
Cascara Sagrada ...	tons	97	58
Cochineal ...	bags	88	42
Calumba Root ...	bags	2	447
Cubebs ...	bags	9	15
Dragons Blood ...	cases	169	133
Galls (China and Japan) ...	cases	564	798
" (Turkey and Persian) ...	bags	146	84
Gums:—			
Acacia (all descriptions) ...	packages	10,168	11,786
Annoniacum ...	packages	27	28
Animi ...	packages	447	426
Asafetida ...	cwt.	415	416
Benzoin ...	cwt.	912	845
Copal ...	packages	16,508	14,088
Dammar ...	packages	5,621	5,672
Elemi ...	packages	—	—
Gamboge ...	cwt.	Nil	Nil
Guaiacum ...	cwt.	93	145
Kowrie ...	tons (net)	133	299
Mastic ...	packages	64	5
Myrrh, East India ...	packages	24	125
Olibanum ...	packages	233	278
Sandrac ...	packages	119	178
Tragacanth ...	packages	1,987	4,572
Ipecacuanha (Matto Grosso) ...	cwt.	107	151
(other sorts) ...	cwt.	133	—
Nux Vomica ...	cwt.	72	476
Rhubarb (all descriptions) ...	cwt.	108	180
Sarsaparilla ...	cwt.	334	356
Senna ...	bales	3,306	4,245
Shellac, orange ...	cases	123,663	156,620
Turneric (Bengal) ...	tons	30	16
" (Madras, Cochin, etc.) ...	tons	112	77
Waxes, Bees' ...	packages	1,888	2,399
" Japanese ...	packages	434	193

## Sudan Gum Acacia Exports

BOXALL & Co. report exports during December were 1,702 tons, compared with 624 tons in December 1935. Exports during 1936 totalled 22,665 tons, compared with 22,462 tons during 1935. Details of destinations:—

Destination	1935			1936		
	Jan.-Nov.	Dec.	Total	Jan.-Nov.	Dec.	Total
Great Britain ...	5,493	39	5,442	4,900	287	5,187
U.S.A. ...	3,528	156	3,684	3,829	443	4,272
France ...	1,975	61	2,036	2,959	102	3,061
Germany ...	1,864	203	2,067	2,610	171	2,781
Italy ...	1,854	27	1,881	217	29	246
Belgium ...	1,540	52	1,592	1,387	122	1,509
Japan ...	1,354	5	1,359	1,065	154	1,219
Holland ...	641	15	656	900	161	1,061
Spain ...	554	4	558	159	—	159
Sweden ...	536	—	536	436	22	458
Norway ...	85	1	86	47	7	54
Australia ...	659	—	659	493	—	493
New Zealand ...	94	—	94	35	11	46
China ...	259	7	266	274	48	322
Canada ...	205	15	220	224	4	228
British India ...	16	—	16	166	76	242
Denmark ...	114	3	117	163	7	170
Finland ...	115	3	118	131	4	135
Poland ...	64	—	64	116	8	124
Rumania ...	46	2	48	118	5	123
Turkey ...	30	—	30	39	6	45
Greece ...	69	8	77	87	2	89
Egypt ...	327	19	346	158	—	158
South Africa ...	12	1	13	54	2	56
Dutch Indies ...	25	—	25	31	4	35
Argentina ...	76	—	76	29	—	29
Brazil ...	152	—	152	121	3	124
Uruguay ...	22	—	22	21	—	21
Mexico ...	32	—	32	27	5	32
Other Countries in America ...	27	3	30	45	11	56
Other Countries ...	160	—	160	122	8	130
Total Tons ...	21,838	624	22,462	20,963	1,702	22,665

The export figures are made up of the following qualities:—

	Hashab	Bleached	Talha	Total
December, 1935 ...	461	23	140	624
December, 1936 ...	1,586	21	95	1,702
January-December, 1935 ...	20,110	213	2,139	22,462
January-December, 1936 ...	20,652	237	1,776	22,665



# Correspondence

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

## Future of Stamped Medicines

SIR,—All speculation on medicine-stamp duty is at present futile, but from the trend of the questioning by members of the Select Committee it looks as if known, admitted and approved remedies will no longer be immune so far as the registered chemist is concerned and the net for hauling in revenue will be wider spread than heretofore. It must be acknowledged that the pharmaceutical representatives did their best for the craft in the circumstances, but the opposition on the Committee was strong and virulent. It was certainly a pity that the only pharmacist in Parliament at the present time was not a member of the Committee, particularly seeing that grocery was so strongly represented. I see from your last week's issue that feeble efforts are being made to provide a definition of "ethical" medicines, but the "machinery" devised for the investigation will require efficient handling if anything satisfactory is to be evolved.—Yours, etc.,

ONLOOKER (17/2).

## Chemists' Friends Scheme

SIR,—The Chemists' Friends scheme, meetings of which you report on p. 188, appears to be entering upon another stage of its career. I think it can fairly be said that it has come to stay; and in view of the documentary evidence that actual increase in business has followed the display and sales of "C.F." lines, there should be increased enthusiasm shown concerning it on the part of retailers and manufacturers alike. One of the "snags," a very real one, is how to deal with those districts where there is no chemist within a distance of several miles and where the public expect to find certain proprietaries in other shops. The Joint Committee has wisely refused to give permission for the conditions of the scheme to be relaxed sufficiently to allow stocks of "C.F." lines to be kept in such places. I believe that if this state of affairs is brought to the notice of the nearest pharmacist or pharmacists they will take steps, in these days of bus deliveries, to ensure supplies being in the hands of those that require them.—I am, etc.,

OBSERVATOR (16/2).

## Profit or Professional Status

SIR,—The following instance represents to my mind the muddled state of pharmacy, in that we have the use of professional skill and knowledge with grossly inadequate payment. A few days ago I received the following N.H.I. prescription: Suppos. bellad. c. opio. Mitte 36. This, when priced according to the Tariff, yields the following:—

Ingredients	..	..	..	..	6½d.
Dispensing fee	..	..	..	..	1s. 3d.
Total	..	..	..	..	1s. 9½d.

It is interesting to note here that if instead of ordering thirty-six at once, the order had been for three separate lots of twelve, the dispensing fee would have been 2s. 9d. To buy these suppositories from any wholesaler would cost from 3s. 6d. to 3s. 9d., which would involve a loss on the transaction of about 2s. Therefore it comes to this, that the wholesaler values his time and skill at 3s. 3d., but the retail chemists who make these have their time and skill valued at 1s. 3d. However skilful the dispenser may be, I maintain that the payment is grossly inadequate, and that if all our transactions were of the same nature we should no longer exist. It says much for those who have been responsible for directing the affairs of pharmacy that this state of things should exist; it even says more to all of us who pride ourselves on being the dispensers of the nation's medicines, that we are so wrapped up in our pride of office that we accept payment less than any unskilled workman.—Yours, etc.,

PERPLEXED (16/2).

## False Economy

SIR,—Here are one or two examples of so-called economy in dispensing fees. (1) A panel doctor prescribes 144 tablets, one to be taken daily. The patient is removed in a few days to hospital, where it is found necessary to operate. The patient dies, and tablets left are thrown in the fire. The cost

to the drug fund is about 5s. (2) A panel doctor prescribes a 12-oz. mixture with teaspoonful doses, i.e., ninety-six doses. The patient pours three-quarters of the contents down the sink. (3) A panel doctor prescribes approximately 2 lb. of powder, sufficient to last the patient for six months; and this patient is going on with usual work. A Government department can thus show theoretical economies. Would these doctors treat their private patients in this way?—Yours, etc.,

OBSERVER (17/2).

## Suggested Branch Federation

SIR,—“Delineator,” writing about the suggested federation of branches (*C. & D.*, January 30, p. 153), refers to branches not necessarily numerically weak but weak in interest and representation. I have often thought it would be helpful if a table could be published annually of the average attendance at meetings compared to the total number of members in the various branches. Such a table would show which branches have a really representative and active membership and which are merely nominal. There are branches which are kept alive by a few members although the official membership may be considerable. Another unsatisfactory feature is that the working nucleus is generally composed of pharmacists who are no longer young, and there seems to be little wish among the rising generation to take up any work or official position in the branch. One would have expected the 1933 Act, with all the changes it has brought, would have provided a stimulus to the younger pharmacists, and especially to those who never thought it worth while becoming members of the Society and are now compulsory subscribers. Surely when a man is compelled to contribute to the money for some object he should take a little interest in discussing the ways in which it is spent.

Faithfully yours,

ELDER (1/2).

## Retail Sale of Drugs

SIR,—The word “drugs” in the phrase “retail sale of drugs” does not imply that all household remedies such as ginger, citric acid, bicarbonate of soda, herbs and the hundreds of similar lines which have been sold for several hundred years by grocers, herbalists, etc., come within the meaning; they can still be sold by those who sold them previously as long as they are not poisons within the meaning of the Act. In the Dangerous Drugs (Consolidation) Regulations, 1928, it is stated that the word “drug” means any drug to which Part III of the principal Act applies . . . or a preparation within the meaning of the Regulations. Every shop closed or sold to a multiple company is a customer lost to the wholesale houses. The drug houses push their own branded and proprietary lines, making it more difficult for the chemist to run his own lines; and he gets less profit on a branded line than on his own. I believe that 75 per cent. of the money taken in chemists' shops is taken by multiple concerns and 25 per cent. by the individual chemists who own 75 per cent. of the shops. The majority of chemists' shops can be bought for about £1,000 each. The capital of popular proprietary firms runs into millions; then there is the capital of multiple concerns, and so the great squeeze of the private trader goes on.—Yours, etc.,

C. S. X. (2/2).

## Fewer Concessions

SIR,—You put the chemist's position succinctly when you say that he has toiled, studied and paid by no means inconsiderable fees to acquire certain privileges, which are being taken from him one by one (*C. & D.*, January 16, p. 63). It is useless to recapitulate the parts of his profession or trade which the chemist has lost to the benefit of others who have no qualification; but if the concession for known, admitted and approved remedies is taken away as a result of the present Select Committee's inquiry, all that is left as a return for graduating as a pharmacist will be the dispensing of insurance prescriptions and the sale of Part I poisons, neither of which provides one with a living or can be considered an adequate return for the expense one has incurred. Mr. Mallinson, in his address at West Ham (p. 54), is reported to have said that the whole



burden of the attack, so far as this inquiry was concerned, was to remove from chemists the special privilege by which they could sell an article with a declared formula unstamped. It seems peculiar that this exemption should appear such a cause of discontent to unqualified traders. To the chemist the real value of the exemption lies in its application to remedies he packs himself; and if he is to lose this it reduces the value of his qualification one degree lower, and makes one wonder how long it will be before it ceases to be an asset at all. Then there is the question of the cost of the patent-medicine licence; it has been suggested that it should be raised from 5s. to 21s. or more. The chemist, however, may well ask, in view of the fact that he has paid a high examination fee, another fee to keep his name on the register from year to year, and a third fee for the shop in which to exhibit the certificate, why he should pay a fourth time to sell medicines, whether they are proprietaries or not. What with this recurrent depreciation of the qualification, and the proposed future expenditure to be incurred by the Society, the outlook is not one which is likely to attract the type of entrant into pharmacy whom we would like to see.

Yours truly,  
FUTURIST (19/1).

## Subscribers' Symposium

For Interchange of opinion among "C. & D." readers and brief notes on business and practical topics.

### C. & D. Diary, 1937

This year-book [*the C. & D. Diary and Year-Book, 1937*] offers, as usual, in this, the sixty-ninth edition, an abundance of material, above all in the complete collection of the current laws of Great Britain and Ireland (Northern Ireland and the Irish Free State) in every sphere affecting pharmacists: chemists' shops, trade in medicines, poisons, foodstuffs, real estate, insurance, trade marks, etc. The text is surrounded by a voluminous and attractively arranged advertising section, which affords an instructive insight into the management of English pharmacies. He who wishes to obtain information on conditions in England, especially he who is interested in the import and export of English goods, will find exhaustive information in this diary.—From the "Deutscher Apotheker-Zeitung."

### Sunday Service

The Shops (Sunday Trading Restriction) Act has left us in an anomalous position in which we cannot decide whether we are entitled to close altogether or whether we are obliged to provide a Sunday service. Recently a customer informed me that a chemist was legally compelled to supply medicine at any hour on demand, and insisted that he was correct, although I explained that it was not so. I suggested that if he wished to test the truth of his statement he should try to enforce it at some of the lock-up shops after the normal closing hour. It is true that an insurance committee has authority in some circumstances to compel a service on Sundays and early closing days, as you state in the answer to "W. G." (p. 210); but this means at a stated hour and not at any time, and only applies to panel medicines.—*Servitude* (15/2).

### Estimating Goodwill

In your reply to "G. & M. (25/1)" on estimating goodwill (*C. & D.*, February 13, p. 210) you table a list of seven points to which attention should be given, and although these are the tangible items which can be estimated and confirmed by reference to records, I would add an eighth consideration which, in my opinion, is in many cases a more decisive factor than all the others in a business which is individually owned and personally conducted. Where a proprietor has the confidence of his customers he establishes a goodwill which is in reality attached to the man and not to the business; it is one which cannot be estimated in terms of purchase money and cannot be sold. His successor may be equally competent to retain the relationship with the customers, but on the other hand he may not. In the chemist's business goodwill cannot be entirely estimated on the cut-and-dried figures, and I consider a deduction should be made from the amount thus ascertained to allow for loss of personality, as a newcomer cannot expect to start where his predecessor left off.—*Estimator* (15/2).

## Poisons Queries

*M. O. B.*—CARBOLIC SEED DRESSING.—This appears to be exempt as a poison, i.e., the hydrochloric acid is under 0.5 per cent., compared with 9 per cent. exemption limit. The preparation comes within the definition of "solid substances containing less than 60 per cent. phenols" and qualifies for exemption thereunder.

*F. C. (8/2).*—CANTHARIDIN HAIR WASH.—The local hairdresser cannot sell a hairwash containing cantharidin, since such a preparation would be a Part I poison. The only exemption in connexion with cantharidin is that preparations containing less than 0.01 per cent. are outside Schedule 1. The hairdresser may use the wash in the course of business.

*S. D. (20/10).*—COUGH MIXTURE.—To comply with poisons law the cough mixture label must state the proportion of poison and bear the statutory cautionary notice. These are preferably enclosed in a frame as follows:—

Contains morphine hydrochloride, 0.045 per cent. w/v.  
Caution.—It is dangerous to exceed the stated dose.

There is no objection to destamping, provided the label is suitably modified. The use of the word cough calls for full disclosure of formula and the disclaimer that "No proprietary rights are claimed in the preparation of this medicine" if it is to be sold under the "Known, admitted and approved" exemption (by a registered chemist on registered premises, the latter being a condition of the new poisons law). The proprietary title should be used as a brand name. The advantages of supplying under Section 19 (with entry in prescription book) should not be overlooked in connexion with own-name remedies as it overcomes necessity for disclosure of formula and declaration of presence of poison.

*R. M. L. (19/84).*—ACONITE LINIMENT.—The proportion of lin. aconit. B.P. brings your preparation within the First Schedule, so that the words "Poison, etc.," within the frame must be either in red or on a red background. The liniment can be made into an unscheduled poison by using lin. aconit. standardised to 0.2 per cent. of ether soluble alkaloids (i.e., lin. aconit. B.P. 1914) and reducing the proportion below 1 in 10, the exemption limit for aconitine being 0.02 per cent. (the Sixth Schedule permits the ether soluble alkaloids to be calculated as aconitine). This procedure will enable the "Poison, etc.," to be printed in any colour, on any coloured background, and obviate entry of sale in the poison register or supply under Section 19 with entry of particulars in prescription book. It should be noted that a background with sharply defined edges does not constitute a frame, also lin. aconit. is not standardised for aconitine or aconite alkaloid in the 1932 B.P.

*J. S. (13/11).*—VETERINARY REMEDIES.—(1) The veterinary diarrhoea mixture label must include the following additional declaration to comply with the new poison law:—

Contains opium, B.P., 1 in 400.  
Poison.—For animal treatment only.

These words should be surrounded by a line as above and may be printed in any colour on any coloured background, since the preparation is not a First Schedule poison.—(2) Presumably the commercial sulphuric acid in the foot-rot ointment is 98 per cent. strength and 16 oz. by weight is contained in 9½ lb. of finished product. If this is the case the preparation can be exempted from the application of the Pharmacy and Poisons Act, 1933, and the Poisons Rules by reducing the amount to 14 oz. by weight. If 16 oz. fl. is used the foot-rot ointment is well above the sulphuric acid exemption limit, and the proportion will have to be declared on a weight-in-weight basis and the proper notice "Poison. For animal treatment only" printed on the label and enclosed within frame.

ANOTHER section of the second edition of Tschirch's "Handbuch der Pharmakognosie" (pp. 129-224 inclusive) has been issued by Verlag von Bernhard Tauchnitz, Leipzig.



## Miscellaneous Inquiries

We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them

*H. O. H. (9/21).*—**APPRENTICESHIP.**—Your apprenticeship in the Irish Free State would, strictly, have no value in this country, and the Registrar is not empowered to accept it. He can, however, report on the matter to the Council of the Pharmaceutical Society of Great Britain, and they may accept it. The same applies in regard to the lectures for Part I. In the circumstances you should write to the Registrar of the Pharmaceutical Society of Great Britain, 17 Bloomsbury Square, London, W.C.2, explaining to him fully, and he will bring it before the Council at the next meeting.

*A. A. M. (5/21).*—**EAU DE COLOGNE AND LAVENDER WATER.**—Formulas for preparations containing industrial methylated spirits must be submitted to the Board of Customs and Excise. Each of the following formulas has been approved, so it is not necessary to submit them:—

### *Eau de Cologne*

I		II	
Oil of orange ...	60 min.	Beta naphthol methyl ether ...	50 gr.
Oil of bergamot ...	60 min.	Oil of lemon ...	300 min.
Oil of neroli ...	30 min.	Geraniol ...	100 min.
Oil of lemon ...	60 min.	Terpineol ...	35 min.
Oil of verbena ...	10 min.	Linalyl acetate ...	100 min.
Oil of rosemary ...	10 min.	Methyl anthranilate ...	10 gr.
Oil of lavender ...	10 min.	Musk xylol ...	20 gr.
I.M.S. ...	10 oz.	Oil of cloves ...	20 min.
		Water ...	8 oz.
		I.M.S. ...	to 40 oz.

### *Lavender Water*

I		II	
Oil of lavender ...	3 oz.	Lavender oil ...	480 min.
Musk ambrette ...	60 gr.	Linalyl acetate ...	240 min.
Oil of cloves ...	20 min.	Benzyl acetate ...	240 min.
Coumarin ...	20 gr.	Vanillin ...	30 gr.
Menthol ...	80 gr.	Otto of rose ...	60 gr.
I.M.S. ...	to 80 oz.	Musk ambrette ...	30 gr.
		Benzyl benzoate ...	240 min.
		Gum olibanum ...	220 gr.
		Water ...	8 oz.
		I.M.S. ...	to 40 oz.

*G. T. W. (12/21).*—**PATENT RIGHTS.**—In the absence of assignment or agreement to assign, it is open for one or both employees to operate the patent, but there are new provisions in the law of recent introduction (1932) which are likely to have a bearing upon the case. The statutory provisions relative to joint ownership of a patent are to be found in the Patents and Designs Act, Section 37. This section, before the amending Act was passed in 1932, stated that where a patent was granted to two or more persons jointly, they should, unless otherwise specified in the patent, be treated for the purpose of the devolution of the legal interests therein as joint tenants, but subject to any contract to the contrary, each of such persons should be entitled to use the invention for his own profit, without accounting to the others, but should not be entitled to grant a licence without their consent, and if such person died his beneficial interest in the patent should devolve on his personal representative as part of his personal estate. By the amplification effected in the amending Act of 1932 the right of a co-patentee to grant licences was restricted to the consent of co-patentees or to special directions from the Comptroller. The special directions were provided by the following additions to Section 37:—

Subsection 2 enabling the Comptroller, on application by a co-patentee (after notice to all joint patentees and hearing the application), to give directions as to sale or lease of patent, grant of licence, etc., as might be just or expedient, and imposing on all joint patentees compliance with such directions.

Subsection 3 providing that if any co-patentee failed to comply with such directions within fourteen days after request by any of the joint patentees, the Comptroller might empower any person to act on behalf of the defaulter.

Subsection 4 providing that nothing in this section should be taken to authorise the use of invention or the giving of any directions to prejudice rights of obligations of trustees or personal representatives of a deceased person.

Subsection 5 providing that an order of the Comptroller giving any directions or refusing an application made under this section should be subject to appeal to the Court.

*Artemisia (14/84).*—**VERMIFUGES FOR DOGS.**—Round worms are more easily expelled than tapeworms. The difficulty with the round worm is due to the infestation in puppyhood, so that strong or efficient doses cannot be given. Santonin is not usually given to puppies under eight weeks old, but is given either once, or in smaller doses, every morning for three or four mornings, followed finally by some aperient, like castor oil. For puppies under eight weeks chenopodium oil is given, and is said to be safer. The oil is mixed with ol. olivæ and ol. ricini in the proportion of twenty minims to one ounce of the mixed olive and castor oils, giving to full-sized puppy of six weeks half a drachm, seven weeks old one drachm, and eight weeks old one drachm, repeated in one hour if necessary. The dose of santonin for a small dog is a quarter to half-grain, while a larger dog may take up to two grains. Neither of these remedies is of service in expelling tapeworm, but it is extremely rare to find tapeworm in the puppy, owing to the length of time required to develop a mature tapeworm after the swallowing of the cyst which is found on some other host. As the dog is older and can be starved twenty-four hours, whereas the puppy should only be fasted overnight, there is less reaction to vermifuges, although the dog very often protects himself by vomiting. Extract filicis is probably one of the best vermifuges, but the dose must be carefully calculated, as 3ss. to a small dog has been attended with serious results. The dose for a toy dog must not be more than five minims, up to thirty minims for a large dog, followed by a suitable dose of castor oil. For small breeds it is found that kamala is very suitable as it requires no added aperient and may be given safely to toy dogs, viz., a four-pound dog would take six grains, a fox terrier twenty to twenty-five grains. Areca nut has a long reputation as a tenicide, and the dose of two grains for every pound of the dog is usually adopted. Unfortunately, the dog is very apt to vomit after a dose of areca nut, but chlorbutol may be given prior to the areca nut dose to prevent sickness. Pelletierine tannate has not proved effective in the dog. These are the principal anthelmintics used for the dog, but a number of proprietary formulas are on the market containing the less toxic preparations of arsenic, whilst carbon tetrachloride, tetrachlorethylene and trichloroethylene are still being experimented with.

*I. R. (13/21).*—**PENETRATING OIL.**—Pine oil and methyl salicylate both make excellent penetrating oils; to a quantity of the latter can be added about a quarter of its bulk of petrol, and to this mixture should be added a small amount of thin lubricating oil. Colloidal graphite is sometimes incorporated, and certainly has beneficial effects after the penetrating oil has done its work.

## Retrospect of Fifty Years Ago

Reprinted from  
"The Chemist and Druggist," February 19, 1887

### Selective Choice of Poisons

Apart from opiates the most noteworthy increase [in the poisoning statistics for 1885 of the Registrar-General for England and Wales] is in suicides with carbolic acid—48 as compared with 34 in 1884. . . . It is a remarkable fact that accidents with opiates befall persons of mature years. Of 52 males who were thus brought to their end, only 17 were under thirty-five years of age, while 34 were between thirty-five and sixty-five; and of 40 females, 14 were under thirty-five and 24 were between thirty-five and sixty-five. This is to be expected from the fact that most of the deaths are due to overdoses of laudanum taken to procure sleep. It is not less remarkable that such an abhorrent substance as carbolic acid should be the popular poison of female suicides, 23 of whom, out of a total of 102, used this poison, whereas opiates appear to be the favourite with males, 35 deaths out of 178 having occurred through these. Females also use vermin-killers much more frequently than males, about 12 per cent. of the former, but only 3 per cent. of the latter, having resorted to this class of poisons. On the other hand, oxalic acid, hydrocyanic acid and potassium cyanide are almost peculiar to the male sex.



**British Industries Fair, Olympia, 1937**

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**SOD. BICARB.**

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**ETC. ETC.**

New products will be shown on our stand  
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see those of our friends who are interested.

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A smooth, soluble  
well-made stick  
guaranteed free from  
any adulteration

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pure  
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**100 Tons ALGERIAN SQUILLS**  
Shipment within one month  
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CRYSTALS and  
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*Goods  
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Dangerous Drugs  
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subject to all  
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*PROPRIETARY ARTICLES, SURGICAL DRESSINGS,  
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*May we quote you for—*

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Needle Crystals, Medium, Exsiccated

All grades conform to the new 1932 B.P. Standard

Special Crystals matched and any degree of exsiccation to order.

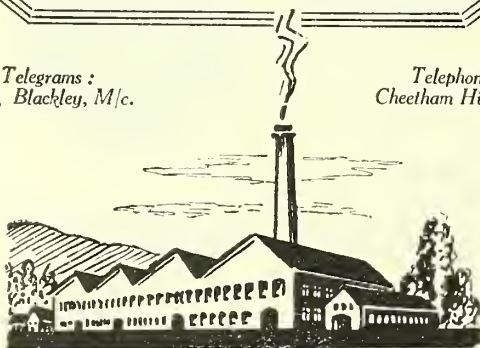
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EXTENDING OVER HALF A CENTURY  
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**KEEN PRICES  
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**PILLS AND TABLETS COATED IN  
MANY VARIETIES**

**PEARL — SUGAR — GELATINE  
GELATINOUS IN A VARIETY OF  
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**ALSO  
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# MYSORE SANDALWOOD OIL

Mysore Sandalwood Oil is produced in Government factories where the strictest methods of distillation and control ensure that each consignment is of almost identical composition, with a guaranteed minimum of 90% pure Santalol.



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*Fused, Granulated and Liquid*

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## Hyposulphite of Soda *Pea Crystals*

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PURE & TECHNICAL

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THYMINIC ACID - HEXAMETHYLENE - TETRAMINE - LYSIDIN



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Sold throughout the world  
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Obtainable from your usual wholesaler, or write direct to:—

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*Announcing . .*

# Dinneford's Magnesia Tablets

Each Tin  
contains  
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Retail Price  
**1/-**  
per tin

DINNEFORD'S MAGNESIA TABLETS present in this compact and convenient form the antacid, digestive, and gently laxative properties for which DINNEFORD'S PURE FLUID MAGNESIA has so long been famous.

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Listen-in to RADIO BROADCASTS on March 7, 14, 21, 28,  
from Radio Lyons at 6.45 p.m. and from Luxembourg at 9.30 p.m.

### TRADE TERMS (P.A.T.A.)

DINNEFORD'S MAGNESIA TABLETS	Retail 1/- per tin. . . . .	9/- per doz. net.
	*Quantities of not less than 6 doz. are subject to 12½% discount, i.e., 7/10½ .. .. .	

*Minimum quantity of TABLETS ONLY supplied direct is six doz. tins.  
Tablets are supplied in Display Outers each containing one doz. tins.*

*Mixed Parcels: DINNEFORD'S FLUID MAGNESIA and MAGNESIA TABLETS (Minimum value 63/-)	Fluid Magnesia (small) retail 1/3 .. ..	10/6 per doz. net.
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	Magnesia Tablets .. 1/- .. ..	8/- .. ..

*All goods carriage paid home. Terms: net cash, monthly account.*

*\*Quantity terms are conditional upon 14 days counter or window display.*

Order direct or through your usual wholesaler  
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**PETROLEUM JELLIES**

WHITE, LEMON, YELLOW, AMBER, RED, GREEN.

**WHITE & COLOURED OILS**

YELLOW, GREEN, RED FOR BRILLIANTINE, etc.

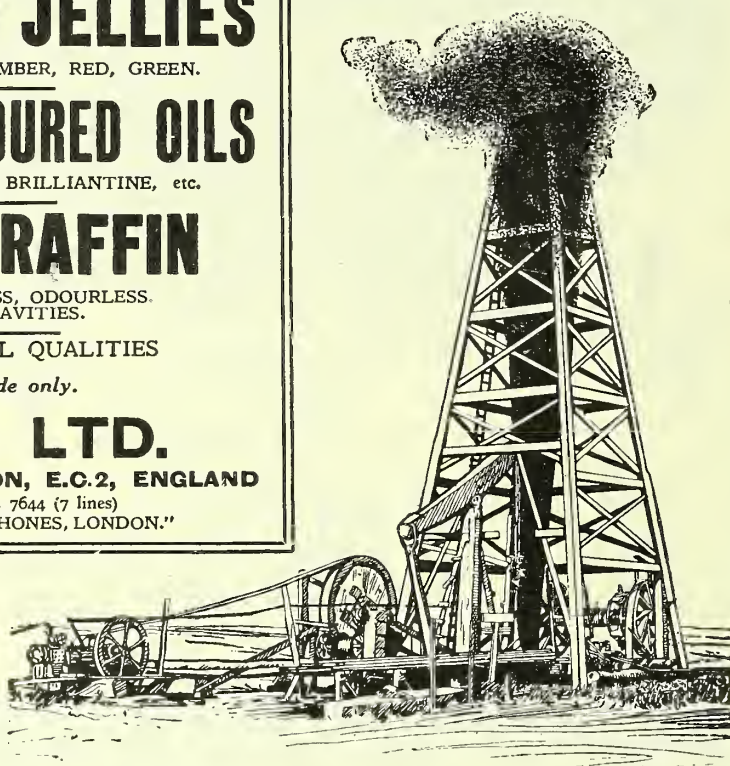
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ALL SPECIFIC GRAVITIES.

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EIGHTEENTH YEAR OF PUBLICATION

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**DeVILBISS  
ATOMIZER No. 15**

This well-known nose and throat Atomizer sprays oil or aqueous solutions with equal ease. Adjustable tip permits spraying in any direction. Price 58/- per dozen

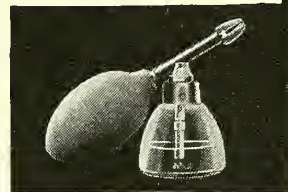


**ATLAS ATOMIZER No. 20**

A compact and dependable nasal Atomizer producing a medium spray from either oil or water solutions. Price 24/- per dozen

Every home needs one or more DeVilbiss Atomizers. DeVilbiss Atomizers have been used and prescribed by the medical profession for more than 45 years, and to-day the DeVilbiss range includes improved Atomizers of every required type. DeVilbiss Atomizers are reasonably priced, fully guaranteed and carry handsome profits. Conspicuously displayed, they stimulate the sale of medical and antiseptic solutions—and sell themselves.

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For oils only. Produces a large volume of extra dry vapour for deep inhalation. Price 48/- per dozen.



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A nose and throat Atomizer of high quality for oil or water solutions. Gives a fine, continuous spray. Price 30/- per dozen

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CVS-93

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The ideas supported by the medical world today on the therapeutic value of calcium and other mineral salts, were embodied 60 years ago in “FELLOWS.”

The only preparation of its kind then, “FELLOWS” still stands alone for its tonic qualities in the treatment of rundown conditions of health and the many forms of anaemia and nervous ailments which so often result.

It stimulates the appetite, aids digestion, and is valuable as a stimulant and tonic to overcome mental and physical exhaustion; and as an aid in combating the invasion of the Tuberculous Processes.

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**Chas. F. Thackray Ltd.***Solicit enquiries & orders for****Lederle*****Solution Liver Extract for  
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*We shall be pleased to add chemist stockists to our mailing list when dealing with professional enquiries.*

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ALL STRENGTHS IN STOCK. PROMPT DELIVERIES IN CASKS, DRUMS, OR BY TANK LORRY.

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*Brand Dressing*

HUMAN & VETERINARY  
MADE IN ENGLAND

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COD LIVER OIL



- ★ SOL-VIT-AX is Cod Liver Oil in its purest and most palatable form.
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Grams: "Vitamins, Hull"

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A delicious sweet containing Dr. MacLean's Powder.

**'MERRIMACS' contain Dr. MacLean's Stomach Powder**

**Merrimacs are Booming!**

This new idea has caught on. Chemists everywhere are watching the interest it is creating. Made from pure peppermint, Dr. MacLean's Powder and cane sugar Merrimacs are winners. Send for samples of

**MERRIMACS**  
AFTER-DINNER SWEETS

Made by J. W. Lightbown & Sons, Ltd., Accrington

Make  
your  
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"KAY"  
order  
a 20/-  
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bonus  
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**EVERY COUGH IS A CALL FOR KAY**  
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COUGH CURE

All Chemists  
1/3 & 3/-

★ From your Wholesaler or direct from  
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*The Greatest of all Rheumatic remedies*  
A LINE THAT ONLY CHEMISTS CAN SELL  
1/3 size, 7/-; 3/- size, 17/6; 5/- size, 25/- per doz.  
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(OL. ANTHEMIDIS)  
From Plants Grown on My Own Farm  
Also **ENGLISH CAMOMILE FLOWERS**  
(ANTHEMIS NOBILIS)  
LARGEST GROWER IN ENGLAND  
**R. W. B. STARKE**  
THE CHESTNUTS FARM, EYE, SUFFOLK

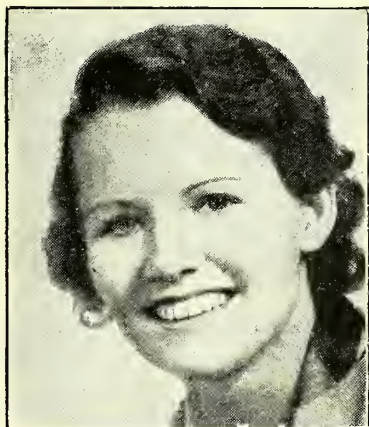
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**PERFECT PACKS**  
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**PHARMACEUTICAL QUALITY**

PARAMOUNT PRODUCTS LTD.  
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# The Pleasant Laxative is the Best Laxative FOR WOMEN!



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The modern woman is enthusiastic about Rexall Orderlies because she knows that both her health and beauty depend upon the correct elimination induced by these tablets.

The action of Rexall Orderlies is sure and gentle, yet they form no habit. They do not cause griping or weakening of the system. Yet they are marvellously effective in keeping the system clean and clear of toxic poisons.

Ask your *Rexall Chemist*—to-day—for Rexall Orderlies. You'll like them—and so will the children!

**1/3 per box**

**OBTAINABLE FROM YOUR**

## Rexall Chemist

The above shows an advertisement used for making the Rexall Pharmacy known to the public.

If you are interested, and there is not a Rexall Chemist in your vicinity, write for particulars of the Exclusive Agency for Rexall and Puretest Medicinal Products to—

**UNITED DRUG Co., Ltd., NOTTINGHAM**

# Increase your turnover....

by keeping  
well stocked with

## PHOSFERINE

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*The Greatest of all Tonics*



This popular Tonic Medicine  
is always in demand and  
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**LIQUID and TABLETS**

**1/3, 3/- and 5/-**

CARRIAGE PAID.

MONTHLY A/C

*Window display terms in United Kingdom  
on application to:—*

**PHOSFERINE (ASHTON & PARSONS) LTD.**  
**La Belle Sauvage, Ludgate Hill,**  
**LONDON, E.C.4**



# Still a chance for you to win £70

Only two weeks are left in which to obtain the necessary stock and display material and enter for this competition!—but you can still do it comfortably if you begin now. It will pay you whether you win a prize or not (and why shouldn't you win one?) More people are ill—more people have reason to buy Brand's Essence—at this time of year than any other.

Remind them at the point of sale of what we tell them year in and year out in the Brand's Essence advertising. Make the most of the season, and start to win £70 as well—for remember the chemist whose display is judged the best from all areas gets the first prize of £50 as well as the £20 area prize.

## How to enter

**for this Competition**  
Send for supplies of Brand's Essence Display Material, show-cards, cut-outs, dummy cartons and display containers, which we shall be pleased to supply FREE. Prepare your window display and have the display photographed. If you have not already received an entry form ask our traveller or send for one immediately. Fill it up, and dispatch it with the photograph to Brand & Co. The photograph may be any size convenient for you.

## Competition terms

1. A good window display of Brand's Essence (not necessarily occupying an entire window) for at least 14 days commencing before the end of February, 1937.
2. Last day for receiving photographs and entry forms, Monday, March 1st.
3. The judges' decision shall be final and no correspondence will be entered into regarding the competition.
4. Photographs cannot be returned unless accompanied by a stamped addressed envelope.

**£270 must be won by Chemists THIS MONTH**  
**BRAND'S ESSENCE**  
**Competition Window**  
**Displays**  
**must be in by FEB. 27th**

## £270 IN PRIZES 1st PRIZE £50

6 Special AREA PRIZES of £20 each for London, with Middlesex, Berkshire and Surrey; South Coast; South West; Midlands and Eastern Counties; N. of England and N. Wales; Scotland.

## 50 CONSOLATION PRIZES

of £2 each (8 for each area and 2 extra).

A hamper of Brand's delicacies for every entrant!

## THE NEW "NIGHTCAP" DRINK BRINGS PERFECT SLEEP



MASONA is a purely Herbal preparation  
Packed in artistic style Retails at 1/- per bottle

APPLY FOR TERMS TO  
**NEWBALL & MASON Ltd., NOTTINGHAM**

ALL CHEMISTS SHOULD STOCK

## ABDINE

**THE GOLD MEDAL HEALTH DRINK.** Quick Seller. Big Profits. Over 60 years' Reputation. "Abdine" is obtainable from the Wholesale Houses. Attractive Display Material constantly available.

DUNCAN McGLASHAN LTD., ABDINE WORKS, WESTFIELD RD., EDINBURGH



## CACHETS "FINOT"

(White or Coloured)  
With inscriptions in any desired tint; also Plain or Embossed.  
"A distinction all their own."—C. & D.  
"Perfection of Cachets."—Lancet.

These Cachets are especially adapted for Headache, Neuralgia and other powders.

COOPER SON & CO. LTD., 80 Gloucester Road, SOUTH KENSINGTON  
In 17 Sizes to fit the various types of Cachet Machines.

## GLYCERINE

The Purest Quality on the Market. Produced by  
THOMAS HEDLEY & CO. LTD., TRAFFORD PARK  
Chemically Pure B.P. Industrial White. Pale Straw.

Sole Distributors:

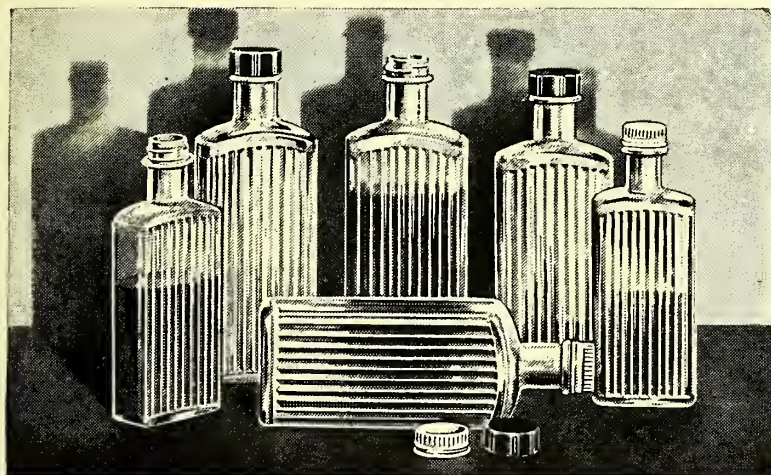
FREDK. BOEHM LTD., 17 Jewry Street, London, E.C.3.  
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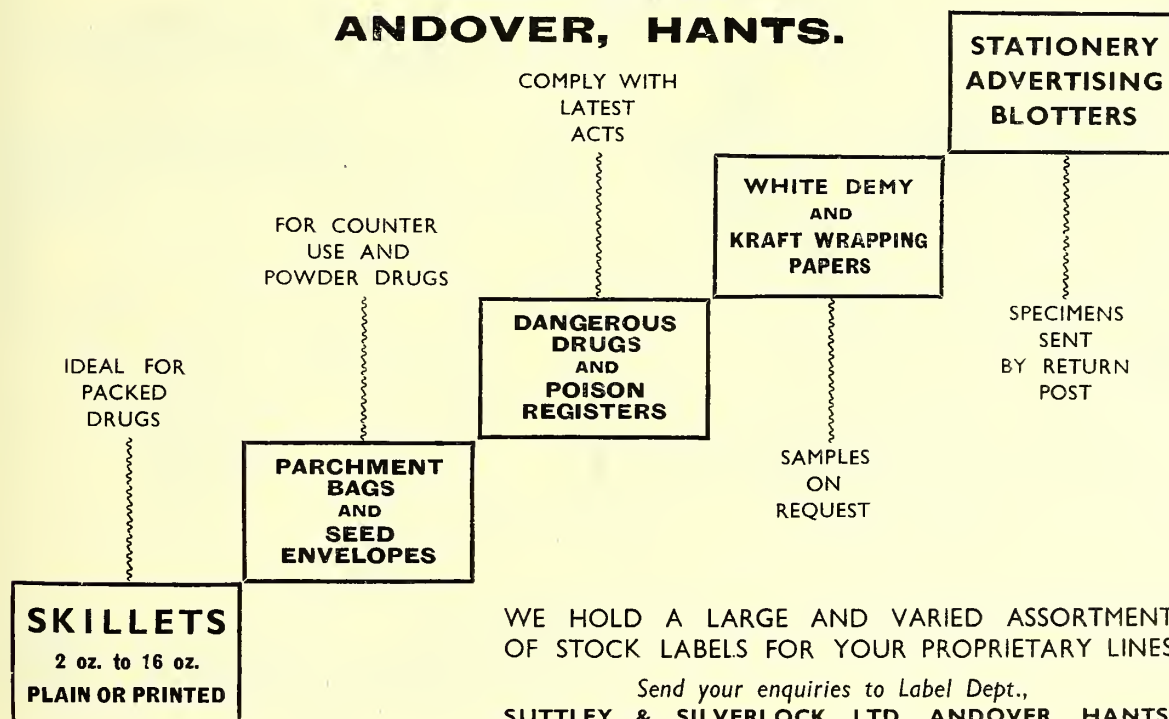
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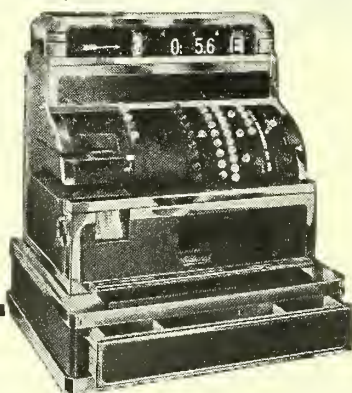




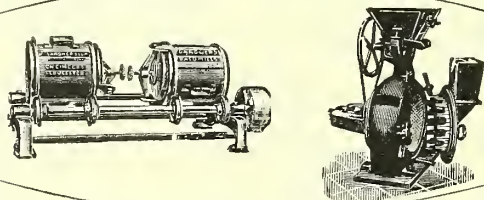
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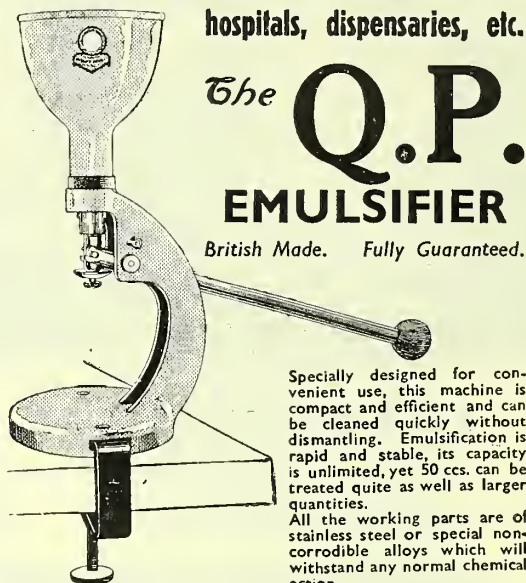
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# The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

FEBRUARY 20,  
1937

28 ESSEX STREET, LONDON, W.C. 2

## ADVERTISEMENT TARIFF

ALL ADVERTISEMENTS are PREPAID, so that remittance must accompany instructions in each case. If it be necessary to telephone or telegraph an urgent announcement this may be done, provided the money is telegraphed at the same time.

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1.—LONDON, W.C.1 (DEATH VACANCY).—Newly-established Business with increasing turnover, present rate £25-£30 per annum; stock and fixtures cost £750; reasonable rental; no sum is asked for the goodwill; further details upon application.

2.—TOOTING.—Main-road Business for sale; takings, present rate £20 per week; splendid position; shop front recently cost £300; very valuable lease; price £600 all at.

3.—BATTERSEA (DEATH VACANCY).—General Retail Business with Panel; net profit to owner-manager £5-£6 per week; new lease at reasonable rental; price £450 all at.

4.—STREATHAM (NEAR).—Old-established excellently-fitted and heavily-stocked genuine business; takings average about £35 per week; accountant's figures; very valuable lease (advantageous sublet); stock and fixtures worth about £825; reasonable sum asked for goodwill.

5.—I.E.E.—General Retail Business for immediate sale; returns under the supervision of a lady £15 per week; scope; stock and fixtures worth about £500; flat over; price asked £500 all at.

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8.—BELVEDERE.—Middle- and Working-class Business; takings over £20 per week; net profit £374 last year; price £500 all at, or best offer.

9.—CENTRAL LONDON.—High-class Business for sale owing to retirement of Vendor; takings under management £3,000 per annum; accountant's figures; scope for increase; heavy stock and handsomely-fitted pharmacy; minimum purchase price £2,500 all at, or £800 plus stock and fixtures at valuation.

10.—KENSINGTON (NEAR).—Very good-class Business taking about £40 per week under management; stock and fixtures worth £700-£750; long lease; price about £1,000 or near offer.

11.—LONDON, S.W.1.—Middle-class Business with excellent Panel; takings about £1,500 per annum; accountant's figures; sublets nearly cover rental; long lease; inclusive price £1,100 all at, or £200 plus stock and fixtures at valuation.

12.—DEVON.—Three genuine Businesses for sale together or separately; takings £1,350, £1,250 and £2,000 per annum respectively; reasonable rentals and purchase prices; one is conducted as a Drug Store; full details upon application.

13.—ROCHESTER.—Old-established Business with stable turnover about £1,450 per annum; good profits; excellent stock; living accommodation; rent £90 per annum; new lease; price £500 all at.

14.—SOUTH WALES.—Cash Retail Business for sale owing to continued ill-health; net profit at least £350 per annum; stock and fixtures worth about £470; comfortable living accommodation; rent £80 per annum; price £650, part of which can remain.

15.—ESSEX COAST.—Business and Branch for disposal together or separately; total takings about £4,750 per annum, of which £3,200 is from the main shop; price of main business £2,500; price of branch business about £700; genuine propositions.

16.—YORKSHIRE.—Good Middle-class Business for sale owing to retirement of Vendor; takings average £38-£40 per week; net profit can easily be £500 per annum; excellent position occupied; stock and fixtures worth £1,300; price £1,500 all at or £300 plus stock and fixtures at valuation.

17.—WALLASEY (DEATH VACANCY).—Family Retail Business in late proprietor's hands 20 years; turnover over £1,000 per annum; good profits; price of business £650; price of premises £1,350 (Building Society will advance £1,200).

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**CHEMIST and Druggist.**—Substantial and immediate Cash trade on opening in splendid block of first-class shops; multiple position; densely populated South London suburb; early application advisable. Apply Morris Land & Property Co., Ltd., 130 Mount Street, Berkeley Square, W.1. MAYfair 2056.

**HIGH-CLASS Shops to Let** in new Parade, in best part of High Road, Streatham, from £140-£500 p.a. Apply Letting Manager, 17 Streatham High Road (Phone: Streatham 9627), or Bell Investment Trust, Ltd., 115 Park Street, Mayfair, W.1 (Phone: Mayfair 4201).

**OPPORTUNITY OCCURS** to establish a Business in a well-developed and rapidly growing district near Hounslow; only one shop now left on a Parade which occupies a commanding main-road corner position; a Chemist is urgently needed by the district and should be instantly successful; the accommodation comprises large sales shop and a self-contained flat above of four good rooms, kitchen, bathroom, etc.; the rent is £125 per annum exclusive on lease. Apply to John Allsop, Sole Agent, 433 Great West Road, Hounslow. Tel.: Hounslow 2620.

**RENTS** from £100 per annum exclusive; attractive shops, with an excellent opening for this trade; central heating; modern fronts; under new block of flats. Apply to Caretaker at Romney Court, Shepherd's Bush, or Managing Agents, Keith Cardale & Partners, Ltd., 43 North Audley Street, W.1. Telephone: Mayfair 4631.



**SHOPS!**—Just the opportunity you have been looking for. Smart Shopping Parade at West Wickham, Kent, requires Chemist to complete; s.c. flat over and shop front included; reasonable rent. 296/693, Office of this Paper.

**SPLENDID** Opportunity occurs for Chemist starting own business in rapidly increasing neighbourhood; special facilities given; no opposition. Apply Mathews, Cheriton Villa, Hatfield, Herts.

**TO BE SOLD OR LET**, vacant, suburbs of Leamington Spa, Double-fronted Shop with house accommodation; suitable for Chemists, etc.; growing district; electric light and gas; rent £65, rates extra. Box W, Smith's Library, Parade, Leamington.

**UNUSUAL OPENING FOR CHEMIST**.—Handsome Newly Built Shop, modern flat above, in rapidly developing South London suburb; the immediate population within 1-mile radius exceeds 30,000; attractively low rent to approved tenant. Telephone Mayfair 8022, or call 7 Hanover Square, W.1. Way & Waller.

## APARTMENTS

**CORONATION WEEK**.—Chemist offers accommodation (bedroom and sitting-room) to Pharmacist (or friends), with board as desired; Southern Electric, 25 minutes Charing Cross; would also consider few weeks during summer. 248/5, Office of this Paper.

### THE HAMPDEN RESIDENTIAL CLUB

**FOR GENTLEMEN**, Hampden Street, N.W.1. Close to King's Cross and Euston. 300 Bedrooms. 12s. 6d. to 25s. per week, including bath, attendance and boot cleaning. All meals à la carte in dining room. Moderate tariff. Large Club Rooms, Library, Billiards Room, Reading Room and Study for Students. Illustrated Prospectus from Secretary. Euston 2244/5.

## SALES BY AUCTION

Removed from Hitchin.  
5 LITTLE BRITAIN (close to G.P.O.), LONDON, E.C.  
CHEMISTS' SHOP FITTINGS, complete range in oak—10 ft. Drug Run, Mirrors, Wall Cases, Counters, Perfumery Desk, Cash Tills; also similar items in mahogany, Silent Salesmen, National Cash Registers, Office Furniture, Safes, Typewriters.

**B. NORMAN & SON**

will Sell by Auction, WEDNESDAY NEXT, at 12 Noon.  
View day prior. Catalogues on application.

Telephone: NAT. 6463.

## COMPANY REGISTRATION

CHEMISTS and their friends must have often wondered re the advantages or otherwise of a Private Limited Company. After 25 years' experience you can rely on my free advice; you will not regret following it. Quotation inclusive. All correspondence confidential.

A. B. SLACK,  
721 PRINCESS ROAD, West Didsbury.

## DIRECTORSHIPS

**A VACANCY** occurs for a Director on the Board of Private Company of Retail Chemists; would suit young Qualified; good remuneration; amount required £250. Full particulars, age, etc., to 1/2, Office of this Paper.

## EDUCATIONAL

**FOR TUITION** in Mathematics, Optics and  
Sight-testing apply C. V. Bolton, F.S.M.C.,  
F.I.O., 49A Leigh Road, Leigh, Lancs.

## PATENTS

**DOCTOR**, proprietor of an excellent Pharmaceutical speciality against Rheumatism giving remarkable results, would sell Manufacturing licence for Great Britain. Write Doctor, 5 Avenue d'Eylan, Paris XVI, France.

### NEW METHOD OF LOCAL TREATMENT OF FURUNKULOSIS, ACNE, ETC.

**IMPORTANT** British Pharmaceutical Factory interested in the Licence for a New Remedy which is extraordinarily simple in its application and contains a very efficient new chemical substance (German Patent) required. Please write to Box L.A. 5402, c/o Midag, Mitteldt. Anz. Ge., Leipzig, C.1 (Germany).

## PUBLIC NOTICE

*Re* CHARLES HESKEY GRAHAM, late of "Elswick House," Leeds Road, Harrogate, in the County of York, Chemist, who died on 2nd February, 1937.

**NOTICE IS HEREBY GIVEN** that creditors and others having claims against the estate of the above-named deceased are requested forthwith to send particulars thereof in writing to me the undersigned.

Dated this 11th day of February, 1937.

W. MARRIOTT,  
2 Station Bridge, Harrogate,  
Solicitor to the Executrix.

## APPOINTMENTS

THE ROYAL WATERLOO HOSPITAL FOR CHILDREN  
AND WOMEN, WATERLOO ROAD, S.E.1.

**APPLICATIONS** are invited for the position of Pharmacist (Male) to the Hospital; candidates must be Members of the Pharmaceutical Society and have had Hospital experience; salary £300 per annum, rising by annual increments of £10 to a maximum of £350 per annum; the selected candidate will be required to join the Federated Superannuation (Contributory) Scheme. Applications should state age, be accompanied by three testimonials and sent to the Secretary not later than February 28, 1937, from whom further particulars can be obtained.

## SITUATIONS OPEN

### RETAIL (HOME)

6s. for 40 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

**BAYSWATER, W.2**.—Unqualified gentleman required for Dispensing business; applicants should be competent Dispensers and accustomed to high-class Pharmacy. Write, giving full details, Mr. Ball, 34 Leinster Terrace, Bayswater, W.2.

**CARDIFF**.—Wanted, middle of March, experienced Qualified Assistant. Apply, with full particulars, wages required, photo and two recent references, Frank Edwards, 46 Cardiff Road, Llandaff.

**HYTHE, KENT**.—Wanted immediately, Qualified Assistant for six months, possibly longer; good references essential. R. C. Andrews, 35 High Street, Hythe, Kent.

**LONDON, N.**.—Unqualified Assistant (20-30) required immediately for Dispensing and Counter; send usual particulars, experience and salary expected. 249/50, Office of this Paper.

**LONDON, W.1**.—Qualified Assistant (male) wanted as Second Assistant for Dispensing Counter. Please give full particulars, more especially of Dispensing experience, 250/12, Office of this Paper.



**MAIDENHEAD.**—Qualified Assistant wanted to take charge of branch; Photographic experience essential. Please apply by letter only, giving full particulars of experience, etc., when disengaged and salary required, to "B., 23 College Avenue, Maidenhead.

**MANCHESTER.**—Qualified Managing Assistant with F.S.M.C. or F.B.O.A. diploma; must have had good all-round experience; thoroughly reliable; of smart appearance and pleasant Counter manner; able to control staff and make good Window Displays; please send full particulars, copies of references, age, etc.; a good salary for first-class man; applications treated confidentially. 249/46, Office of this Paper.

**MANCHESTER.**—Young Qualified wanted; quick Counter and N.H.I.; working-class district; permanency. State salary, particulars, etc., to Tomlinsons' (Manchester) Ltd., 21 and 23 Embden Street, C.-on-M., Manchester 15.

**NEAR LONDON.**—Qualified Assistant Mauager required; must be good Counterman, capable Dispenser and trustworthy; give fullest particulars in first letter, also age and salary required. 296/702, Office of this Paper.

**OXFORD.**—Junior or Improver (male) required for Dispensing, Photographic and General Retail. Reply, giving full particulars, age, height, experience and salary (enclose photo if possible), to Rose, Chemist, Bullington Road, Oxford.

**A FULLY** Qualified Junior Assistant (lady or gentleman) required shortly for Dispensing and light Counter Duties in high-class Country Pharmacy; give particulars of experience, age, height and salary; if possible a snap or photograph will be a help in deciding the appointment. Also an Unqualified Young Lady Dispenser for high-class Hampshire Pharmacy. Apply Clark, Chemist, Dorchester.

**A YOUNG** Lady required, good appearance and address, for high-class Pharmacy, Toilet, Perfumery and General Counter. Full particulars, salary, photo, etc., L. J. Collis & Co., Ltd., Bexhill-on-Sea, Sussex.

**A YOUNG** Qualified Manager (single) to take charge of branch; on March 8; Middle-class Family Business; full particulars in first letter. Kitching, Chemist, Horseleyfields, Wolverhampton.

**A PPLICATIONS** are invited from Pharmacists (about 35) as Branch Inspector for firm of Multiple Chemists. The position calls for a man of wide experience, with unimpeachable record, accustomed to the tactful handling of staff, and prepared to work hard to consolidate his own position. State full particulars in first instance to 249/40, Office of this Paper.

**A SSISTANT**, lady, with experience in Refined Dispensing and the putting up of Proprietaries; hours 9 to 6 p.m. Apply "C., c/o J. Egan, Fleet Street, Liverpool.

**D ISPENSER-BOOK-KEEPER** wanted, experienced. Apply with full particulars 249/24, Office of this Paper.

**D ISPENSER**, Lady Assistant, required for Institution in Edinburgh; experienced, but not necessarily a Qualified Pharmacist. Apply, stating age, qualifications and salary expected, to Box 685, Robertson & Scott, 73 Hanover Street, Edinburgh.

**G ENTLEMANLY** Qualified Manager wanted for late April; Leicestershire; must be also F.S.M.C. or F.B.O.A.; over 30 years old, with some years' managerial experience; permanency; good salary and ample scope for right man; fullest details first letter. 249/36, Office of this Paper.

**J UNIOR** Assistant required; must be courteous and obliging at Counter and an accurate Dispenser. Apply, stating age, experience and salary required, and when disengaged, to R. F. Kirby, M.P.S., Wood's Pharmacy, 37 High Street, Slough, Bucks.

**L ADY** Assistant; competent to take charge of Toilet and Ladies' Requisites Counter, also to help in N.H.I. Dispensing; single, and not over 25. Apply, stating salary, references, and with photo, to 295/686, Office of this Paper.

**L ADY** Assistant, Unqualified, for Dispensing; to make herself generally useful. Apply by letter first, giving full particulars, experience, reference and wages, to J. M. Pearson, 63 Lupus Street, S.W.1.

**L ADY** Assistant (25-30 approx.), Unqualified, Pharmacy-trained; with good Counter and Toilet experience, pleasing and courteous personality, for good-class Pharmacy, East Sussex seaside resort; state age, salary and experience. 249/14, Office of this Paper.

**L ADY** M.P.S., experienced, good Window-dresser and Saleswoman, required immediately; please give age, experience and salary in writing. Mitchell, Chemist, 145 Lee High Road, S.E.13.

**P HARMACY.**—Female Assistant required; must have had General Pharmaceutical and Shop experience; widows and single persons only considered. Apply in writing, stating age and experience, to the Staff Manager, Royal Arsenal Co-operative Society Limited, 113 Powis Street, Woolwich, S.E.18. Endorse envelope "Pharmacy." Note.—Caucussing of members of the General Committee or officials will disqualify.

**Q UALIFIED** Assistant, able to take charge, required for light Retail and Photographic Business; must be good Window- and Showcase-dresser, keen Salesman and reliable worker. Apply, stating age, height, experience, salary required, photo (returnable), to "Birmingham," 249/27, Office of this Paper.

**Q UALIFIED** Assistant, male (age about 24), wanted shortly for good Dispensing and Counter business. Apply, stating full particulars of experience, wages required, etc., A. Woolf, 229 Golders Green Road, N.W.11.

**Q UALIFIED** Assistant, young, with Window-dressing ability and sound knowledge of business; must be thoroughly reliable and personally smart. Apply, with full particulars, photograph, age, and salary required in first instance, or 'phone Clacton, 932, Murrays, 14 Electric Parade, Clacton-on-Sea.

**Q UALIFIED** elderly Assistant required for S.E. London district; reasonable hours to be arranged; state age and salary required, with full particulars and when free. 250/13, Office of this Paper.

**Q UALIFIED** Lady for suburban business; must be fond of Counter work and well experienced in Toilets, Dispensing, Book-keeping; fullest details, with references, in first application; letters not replied to in four days respectfully declined. Allen Jones, Chemist, Gt. Crosby, Liverpool.

**Q UALIFIED** young Assistant for Middle-class Pharmacy; half-holiday, no Sunday; light duties. Write, stating age, salary required; applications not answered in 7 days respectfully declined. Collins, 12A Coldharbour Lane, S.E.5.

**U NQUALIFIED** Assistant required for good-class business London suburb; must be thoroughly reliable, with good Dispensing experience and pleasing Counter manner; knowledge of modern Toilets an advantage. Apply, giving full particulars, stating salary required, to 296/700, Office of this Paper.

**U NQUALIFIED** Assistant required (male), Part I; one who has had experience in good-class Retail and Dispensing business. Apply (by letter), with full particulars and salary required, to A. E. White, Chemist, Ashford, Kent. Applications unanswered in three days declined.

**U NQUALIFIED** Assistant required, North-West London, high-class trade; must be good Dispenser, with Counter experience and smart appearance; Photographic knowledge an advantage. Reply, stating salary required, enclosing copies of references, to 246/5, Office of this Paper.

**U NQUALIFIED** Assistant wanted (age 22-35); must live in London and possess recent references; to an honest, conscientious man a good wage will be given. Write Pomeroy, 76 Brick Lane, E.1.

**W ANTED.**—A Young Unqualified Assistant for good-class Surrey Dispensing Business; must be a reliable Dispenser. 296/701, Office of this Paper.

**W ANTED.**—Lady Assistant, Qualified; must be thoroughly reliable, of good appearance, pleasant Counter manner, quick, willing and accurate worker, accustomed to Display work. Apply, giving full particulars, age, height, experience, references, to The General Manager, Industrial and Provident Co-operative Society, Ltd., 45 Chapel Street, Rugby.

**W ANTED** shortly, a Young Lady Assistant of good personality, entirely for Counter, with knowledge of High-class Toilet Articles, etc.; Hall qualification not required; personal interview desired. Apply to W. Parry Jones & Co., Dispensing Chemists, 61 High Street, Barnet.

**Y OUNG** Qualified wanted; Bristol district; Photographic. Apply 249/41, Office of this Paper.

**Y OUNG** Unqualified Assistant required for middle-class suburban business. Apply by letter, stating experience, age and salary required, to Peters, Chemist, 186 Lavender Hill, Clapham Junction, S.W.11.



## WHOLESALE

**A**N immediate opportunity for keen Representatives, calling upon Wholesale Houses and Chemists, to handle the new "Genic" Air Purifier on generous commission terms; see advertisement page 30; exclusive territories to be allotted, with additional good-selling lines to follow. Write fully, stating ground covered, to Milford Products Co., Ltd., Milford, Derbyshire.

**E**STABLISHED organisation, with all facilities for economical production, seeks Qualified Chemist with Manufacturing experience, to assist in development of Proprietary Articles of highest grade, medium price and general appeal; must have complete knowledge of Law relating to Distribution to Pharmaceutical and Grocery Trades; minimum capital £250, carrying director's qualification; principals only. Write in first instance to R. Chalmers, Accountant, 51 North John Street, Liverpool.

**E**XPERIENCED Buyer with expert knowledge of Oils, Fats, Waxes and Chemicals; also Glass and Printing Trades; London. 296/692, Office of this Paper.

**F**RUIT SQUASHES AND LEMON-BARLEY WATER (lines exclusively for Chemists).—Representatives required for Lancashire and North Wales; Somerset, Gloucestershire and South Wales; Midlands, and Eastern Counties; state age, experience and exact territory covered. 296/694, Office of this Paper.

**J**UNIOR Assistant wanted by Manufacturers in N.W. London, with knowledge and experience in the Manufacture of Toilet Preparations, etc.; good prospects for reliable man. Apply, giving full particulars of experience, age and remuneration required, to 296/698, Office of this Paper.

**M**ANUFACTURING Chemists of repute have vacancy at their London works for Qualified Pharmacist to Superintend and Control Manufacture of Specialities; applicants should state experience, age, salary required. Apply 296/697, Office of this Paper.

**P**ATENTS DEPARTMENT.—Young Man with Wholesale experience in Assembling, Checking Patent Orders, good Stock-keeper, has unique chance with good prospects with small independent Wholesaler; adequate recognition in return for honest, conscientious work. Send full details of experience, salary, etc. (in confidence) to Allied Drug, 1 Robert Street, N.W.1.

**R**EPRESENTATIVE required for Eastern Counties by important Perfumery Manufacturers; must have live and established connexion amongst Chemists, Hairdressers, and Stores. Apply, in confidence, with full details, 296/695, Office of this Paper.

**R**EQUIRED immediately for North-East Territory, active Young Salesman for Pharmaceutical Trade; Qualified desirable, but not essential; but necessary to possess selling ability and ambition; salary, expenses and commission. Write fullest particulars to B.I.P., Africa House, Kingsway, London, W.C.

**S**ALESMEN of proved Sales ability wanted by Distributing House with large volume National advertised lines; must have highest credentials; well-established connexions with first-class records; whole time. Write, stating age, experience, if own car, area covered and remuneration expected, Box 1002, L.P.E., 110 St. Martin's Lane, W.C.2.

**T**RAVELLER, additional, required with a good connexion, to call on Chemists in Greater London, by a firm of Manufacturers; remuneration on a commission basis; the articles are in constant demand and prices are competitive. 247/1, Office of this Paper.

**W**ANTED.—First-class Travellers, to sell, on commission, new and quite original Face Pack, nationally advertised; give fullest details, stating ground covered, number of customers, lines now represented, etc.; strict confidence observed. Write M., c/o Lessel Hutcheon, Ltd., 5/6 Clement's Inn, London, W.C.2.

**W**ET Room Hands and Packers wanted by N.W. London Drug house; experienced men are desired, but promising juniors will be considered. 296/696, Office of this Paper.

## PHOTOGRAPHS, TESTIMONIALS, &amp;c.

When replying to advertisements in this section applicants are strongly advised not to send (unless specially requested) ORIGINAL TESTIMONIALS or VALUABLE PHOTOGRAPHS. Many of these announcements produce an exceptionally large response and, as can be readily understood, the task of returning photographs, testimonials, &c., is one of some difficulty.

## SITUATIONS WANTED

## RETAIL (HOME)

2s. for 18 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

**A.A.A.**—ASSISTANT Unqualified (39), married, experienced Dispensing Counter, hard worker, seeks permanency Birmingham or district; excellent references. Apply 250/7, Office of this Paper.

**A.A.**—QUALIFIED (28); 5 years manager, West End, provinces; well educated; tactful Salesman; business builder; free; London. 249/12, Office of this Paper.

**A.**—COMPETENT Dispenser, and Senior Assistant, requires post in London or suburbs; good-class business only; excellent references; used to control. "H." 40 Woodfield Drive, Gidea Park, Essex.

**A.**—QUALIFIED (32), good all-round Photographic, Dispensing and Counter experience, 8 years West End; Manager or Senior; thoroughly reliable; excellent references. Pharmacist, 59 Harrowdene Road, Wembley.

**A** SMART Qualified Manager (25) desires position; first-class Salesman, quick and accurate Dispenser, Window-dresser; West End preferred, but not essential; irreproachable references. Reply L. Gold, 491 New Cross Road, S.E.14.

**A** DVERTISER, M.P.S., F.B.O.A. (Hons.) (59); keen; modern ideas; good Refractionist; all-round experience; moderate salary. "Lux," 29 Ipswich Street, Stowmarket.

**A** S Manager or Senior (36), Qualified, desires post with living accommodation; thoroughly experienced; present position 9 years; conscientious worker; free one month. 244/4, Office of this Paper.

**A** SSISTANT or Dispenser (32); 15 years' experience; full- or part-time; any period. "M.P.S.," 49 Hawley Road, N.W.1.

**A** SSISTANT, Unqualified; experienced Dispensing, Counter; part-time, locum, permanency; London only; disengaged. Write "C. G.," 2A Yalding Road, Bermondsey, S.E.16.

**A** SSISTANT, Unqualified, requires position in London; 9 years' high-class West End experience; tall; excellent Salesman, Dispenser. "R. E.," 68 Lefevre Road, Bow, E.3.

**A** SSISTANT, Unqualified, 3 years present situation, desires change, permanency; good Salesman, Window-dresser. L. A. D., 17 Sharpleshall Street, Chalk Farm, N.W.1.

**A** SSISTANT; West-End experience; disengaged January 30; good reference; Counter and Dispensing; London only. Write to M. G. Birch, 4 Melrose Gardens, Hammersmith, W.6.

**A** SSISTANT (30), N. Ireland Ph.C. qualification, 14 years' experience, requires permanent post in England; 4½ years present situation; first-class Salesman and Counter Prescriber; Specialist in Photographics; excellent references. 249/22, Office of this Paper.

**A** SSISTANT (23), Unqualified; reliable, quick Dispenser; used to large N.H.I., Counter, Window; £2 10s.; highest references. P.C.B. 235/6, Office of this Paper.

**A** SSISTANT (27), Unqualified, single, 9 years' experience, seeks change, anywhere. Rowe, 19 Broad Street, Bath.

**C**ANADIAN Qualified Chemist, at present employed, seeks position in Great Britain; good appearance, manners and references; highly experienced in Dispensing, Store Management, Modern Merchandising, Window Display, Advertising and Business Creation generally. Write "Pharmacist," c/o 301 Power Building, Winnipeg, Canada.

**C**HEMIST, experienced, excellent Prescriber, disengaged, desires management; locum; London or Provinces; reasonable salary. "Chemist," 40 Buckley Road, Brondesbury, N.W.6.



**CHEMIST** (28), old Cyanide, desires permanent position with reputable firm, City, West End; late Manager, Piccadilly; smart appearance and address; would consider Representative position; highest references; free. "Chemist," 67 Guildford Street, W.C.1.

**EXPERIENCED Dispenser** (Hall), with S.R.N. certificate, desires post with Doctor or Chemist. Apply Miss Hamill, 19 Endymion Road, Brixton Hill, S.W.2.

**EXPERIENCED Manager** in first-class Modern West-End Pharmacies desires change shortly; original; energetic. "M.P.S.," 152 Sutherland Avenue, W.9.

**LADY Dispenser** (Hall) seeks post with Doctor or Chemist. Apply O'Donovan, 33 Medway Street, Westminster, London, S.W.1.

**LADY Dispenser** (20), Hall certificate, requires post with Doctor, Chemist or Institution; 6 months' experience; knowledge Shorthand, Typing. "Dispenser," 49 Trent Road, S.W.2.

**LADY Pharmacist** requires post, 4 days weekly, locum or part-time; thorough general experience; free now. Pharmacist, 208 Portsdown Road, W.9.

**LOCUM**, Qualified (39); free now; any period. Write or wire: Locum, 4 Ashford Avenue, Ashford, Middlesex.

**M.P.S.** (37; 5 ft. 6 in.), active, reliable, experienced, requires good position, Manager with or without premises or any other proposition where experience and ability of value. "J.," 15 Calais Street, S.E.5.

**PHARMACIST** desires position as Manager or Superintendent in London; elderly, active, reliable; abstainer; good references; moderate salary or arrangement. "S.," c/o Longdon, 39 Ellora Road, Streatham Common, S.W.

**PHARMACIST** (23) desires position, Manager or Assistant; all-round experience; good-class business preferred; keen and energetic; fortnight's notice. 249/7, Office of this Paper.

**QUALIFIED**, desires change, as Manager; good all-round experience, 7 years managing (34); excellent references; London area only. 248/2, Office of this Paper.

**QUALIFIED**, elderly, active; locum or permanent. T., 33 Barbara Street, N.7.

**QUALIFIED Scot** (26), of smart appearance and address, at present managing large high-class Chemist and Photographic business in residential London suburb, desires change, with good prospects for capable man; first-class references; interview arranged. 249/45, Office of this Paper.

**QUALIFIED Scot**, Manager or Managing Assistant; excellent experience, company and private; town or country; Retail, Wholesale, Partnership entertained; disengaged shortly. "Mul," 14 Gilbert Street, London, W.C.1.

**QUALIFIED** (27), dependable, hard worker, well recommended, all-round experience, accustomed to managing, seeks position where keenness, honesty and good education are appreciated; South preferred; free March 8. D. R., 17 The Twitten, Southwick, Sussex.

**QUALIFIED** (31), good height and appearance, several years' managerial experience, good Dispenser, Salesman and Window-dresser, desires permanency; salary five guineas. Keir, 475 Green Lanes, Harringay, N.4.

**QUALIFIED** (31) seeks sound post, Private or Multiple, Midlands or North; 8 years' Managerial experience; excellent references; Photography a speciality; married; good appearance and personality. 249/54, Office of this Paper.

**UNQUALIFIED Assistant**, gentleman, desires post shortly; good-class Dispensing, Counter experience; senior capacity preferred; highly recommended; excellent testimonials; interview desired. "Assistant," 44 Meads Lane, Seven Kings, Ilford, Essex.

**UNQUALIFIED Assistant**, with Chiropody qualification (24); smart; used to good trade; in or near London. Cave, c/o Freeman, Chemist, St. Albans.

**UNQUALIFIED Youth** (21; 5 ft. 10 in.) has been connected with parents' Pharmacy for the last six years, desires situation immediately; Lancashire preferred. "Advertiser," The Pharmacy, Market Place, Garstang, Lancs.

**UNREGISTERED**, lately own business, desires appointment; exceptional experience; excellent record; good Buyer, Stock-keeper, Photographic; any district; permanency or locum; disengaged; moderate salary. Locke, 71 Cromwell Road, S.W.19.

**WOMAN Dispenser**, Hall certificate, seeks post, N.H.I., Window-dressing; quick Counter experience; permanent or temporary. 233 New Cross Road, S.E.14.

**YOUNG Lady**, recently acquired Part I, desires to serve two years' apprenticeship. "Student," 434 Cable Street, Shadwell, E.

### WHOLESALE

**A QUALIFIED Manager** (25), smart appearance, desires position as Representative; expert Salesman; first-class references; own car. Reply, P.C.B. 234/24, Office of this Paper.

**A THOROUGHLY experienced well-known London Representative** desires to join known and reputable house; strong connexion Chemists, Hairdressers and Stores in whole of London; expert pioneering; exceptional sales records and credentials; own car. 242/9, Office of this Paper.

**A DVERTISER**, young Salesman (Diploma) and Qualified Chemist, seeks position of scope; Inside or Representation. 249/3, Office of this Paper.

**A T Present Manager**.—An energetic young Pharmacist requires post in Manufacturing House, South-West England or South Midlands. 242/40, Office of this Paper.

**B.S.C.** (Chemistry), Lond., Ph.C.—Post desired as Works Manager, Chemist; thorough knowledge Factory, Laboratory routine, Galenicals, Toilets, modern Therapeutics (2 years Hospital Pharmacist), Buying; experienced Bacteriology. 248/12, Office of this Paper.

**DISINFECTANT Spray Solutions**.—Advertiser, with London office and having entrée to very many City offices and business firms, would consider Agency in the above connexion as side-line; very genuine proposition; interview welcomed. 249/25, Office of this Paper.

**FIRST-CLASS Retail Assistant** (27), with some Wholesale and Selling experience, desires Represent established house; Midlands preferred; smart appearance, keen, energetic, plus personality and flair for selling; 11 years Pharmacy; car owner; good references; small connexion in Midlands. 249/4, Office of this Paper.

**HERBALIST**, many years' experience, own business, Consulting, Dispensing, Manufacturing, seeks post, any capacity, executive preferred; thorough knowledge Tablet-making, Granulating, Compressing, Coating; also knowledge Office routine; nominal salary provided situation offers scope for progressive intellect. 248/8, Office of this Paper.

**IRISH FREE STATE and Northern Ireland**.—A Qualified Chemist open for Representation, whole or part-time; 11 years' experience; first-class connexion. Reply, "Chemist," 109 Marlboro' Street, Dublin.

**LABORATORY Assistant**; 12 years' first-class experience in the Manufacture of Galenicals, Cosmetics, etc.; able to take control. 248/11, Office of this Paper.

**PHARMACIST** offers services as Representative or Medical Propagandist; thoroughly experienced as Retail and Hospital Pharmacist; car available. "Pharmacist," 23 Old Manor Drive, Isleworth. POsgrave 4281.

**PHARMACIST** (27), Public School, fully experienced high-class Retail Pharmacy, desires administrative position with Wholesale firm of repute. 248/13, Office of this Paper.

**PRICING Clerk**, 9 years' experience in Drug Trade with leading Wholesale Houses, requires permanent situation with house of repute; excellent references; young and energetic. 244/7, Office of this Paper.

**R EPRESENTATIVE** (12 years' Retail experience), with sound connexion London, Southern and South-Western Counties, seeks re-engagement; own car. 249/13, Office of this Paper.



**CLEAR OUT**—your Old or Damaged Stock of Photo Goods.  
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